| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 77493 | ALPHA-TERPINEOL IN WHOLE WATER SAMPLE (UG/L) | ALPHA-TERPINEOL | ug/L | 98-55-5 | | | 01/11/2005 |
| 99753 | CIS-DIALLATE IN WHOLE WATER SAMPLE (UG/L) | CIS-DIALLATE | ug/L | 17708-57-5 | | | 02/18/2005 |
| 99754 | TRANS-DIALLATE IN WHOLE WATER SAMPLE (UG/L) | TRANS-DIALLATE | ug/L | 17708-58-6 | | | 02/18/2005 |
| 77655 | 2-CHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#001 | ug/L | 2051-60-7 | | | 03/29/2005 |
| 99755 | 2,3-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#005 | ug/L | 16605-91-7 | | | 03/29/2005 |
| 99756 | 2,4'-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#008 | ug/L | 34883-43-7 | | | 03/29/2005 |
| 85704 | 2,2',5-TRICHLOROBIPHENYL IN WHOLE WATER SAMPL(UG/L | PCB CONG#018 | ug/L | 37680-65-2 | | | 03/29/2005 |
| 77812 | 2,4',5-TRICHLOROBIPHENYL IN WHOLE WATER SAMPL(UG/L | PCB CONG#031 | ug/L | 16606-02-3 | | | 03/29/2005 |
| 77841 | 2,2',3,5'-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L | PCB CONG#044 | ug/L | 41464-39-5 | | | 03/29/2005 |
| 85714 | 2,2',5,5'-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L | PCB CONG#052 | ug/L | 35693-99-3 | | | 03/29/2005 |
| 77838 | 2,3',4,4'-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L | PCB CONG#066 | ug/L | 32598-10-0 | | | 03/29/2005 |
| 77837 | 3,3',4,4'-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L | PCB CONG#077 | ug/L | 32598-13-3 | | | 03/29/2005 |
| 99757 | 3,4,4',5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L | PCB CONG#081 | ug/L | 70362-50-4 | | | 03/29/2005 |
| 77876 | 2,2',3,4,5'-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L | PCB CONG#087 | ug/L | 38380-02-8 | | | 03/29/2005 |
| 77880 | 2,2',3,5',6-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L | PCB CONG#095 | ug/L | 38379-99-6 | | | 03/29/2005 |
| 77874 | 2,2',4,5,5'-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L | PCB CONG#101 | ug/L | 37680-73-2 | | | 03/29/2005 |
| 99758 | 2,3,3',4',6-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L | PCB CONG#110 | ug/L | 38380-03-9 | | | 03/29/2005 |
| 85732 | 2,3',4,4',5-PENTACHLOROBIPHENYL IN WHLWTRSMPL(UG/L | PCB CONG#118 | ug/L | 31508-00-6 | | | 03/29/2005 |
| 85735 | 22'344'5'/233'4'56-HEXACHLOROBIPHENYLWHWTRSMP(UG/L | PCB CONG#138/163 | ug/L | | | | 03/29/2005 |
| 77898 | 2,2',3,4,5,5'-HEXACHLOROBIPHENYL WHLWTRSMPL(UG/L) | PCB CONG#141 | ug/L | 52712-04-6 | | | 03/29/2005 |
| 85729 | 2,2',3,5,5',6-HEXACHLOROBIPHENYL WHLWTRSMPL(UG/L) | PCB CONG#151 | ug/L | 52663-63-5 | | | 03/29/2005 |
| 77893 | 2,2',4,4',5,5'-HEXACHLOROBIPHENYL WHLWTRSMPL(UG/L) | PCB CONG#153 | ug/L | 35065-27-1 | | | 03/29/2005 |
| 99172 | 2,3',4,4',5,5'-HEXACHLOROBIPHENYL WHLWTRSMPL(UG/L) | PCB CONG#167 | ug/L | 52663-72-6 | | | 03/29/2005 |
| 99759 | 2,2',3,3',4,4',5-HEPTACHLOROBIPHENYL WHWTRSMP(UG/L | PCB CONG#170 | ug/L | 35065-30-6 | | | 03/29/2005 |
| 85744 | 2,2',3,4,4',5,5'-HEPTACHLOROBIPHENYL WHWTRSMP(UG/L | PCB CONG#180 | ug/L | 35065-29-3 | | | 03/29/2005 |
| 99760 | 2,2',3,4,4',5,6'-HEPTACHLOROBIPHENYL WHWTRSMP(UG/L | PCB CONG#182 | ug/L | 60145-23-5 | | | 03/29/2005 |
| 85739 | 2,2',3,4,4',5',6-HEPTACHLOROBIPHENYL WHWTRSMP(UG/L | PCB CONG#183 | ug/L | 52663-69-1 | | | 03/29/2005 |
| 99761 | 2,2',3,4,4',6,6'-HEPTACHLOROBIPHENYL WHWTRSMP(UG/L | PCB CONG#184 | ug/L | 74472-48-3 | | | 03/29/2005 |
| 99762 | 2,2',3,4',5,5',6-HEPTACHLOROBIPHENYL WHWTRSMP(UG/L | PCB CONG#187 | ug/L | 5266-36-80 | | | 03/29/2005 |
| 85750 | 2,2',3,3',4,4',5,5',6-NONACHLOROBIPHENYL WWS(UG/L) | PCB CONG#206 | ug/L | 40186-72-9 | | | 03/29/2005 |
| 99779 | ACROLEIN IN AIR SAMPLE (NL/L) | ACROLEIN | nL/L | 107-02-8 | | | 05/02/2005 |
| 99769 | METHYL IODIDE IN AIR SAMPLE (NL/L) | METHYL IODIDE | nL/L | 74-88-4 | | | 05/02/2005 |
| 99970 | ALLYL CHLORIDE IN AIR SAMPLE (NL/L) | ALLYL CHLORIDE | nL/L | 107-05-1 | | | 05/02/2005 |
| 99770 | ACETONITRILE IN AIR SAMPLE (NL/L) | ACETONITRILE | nL/L | 75-05-8 | | | 05/02/2005 |
| 99771 | ACRYLONITRILE IN AIR SAMPLE (NL/L) | ACRYLONITRILE | nL/L | 107-13-1 | | | 05/02/2005 |
| 99348 | CHLOROPRENE IN AIR SAMPLE (NL/L) | CHLOROPRENE | nL/L | 126-99-8 | | | 05/02/2005 |
| 99772 | PROPIONITRILE IN AIR SAMPLE (NL/L) | PROPIONITRILE | nL/L | 107-12-0 | | | 05/02/2005 |
| 99773 | METHACRYLONITRILE IN AIR SAMPLE (NL/L) | MTHACRYLONITRILE | nL/L | 126-98-7 | | | 05/02/2005 |
| 99774 | ISOBUTYL ALCOHOL IN AIR SAMPLE (NL/L) | ISOBUTYL ALCOHOL | nL/L | 78-83-1 | | | 05/02/2005 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 99775 | METHYL METHACRYLATE IN AIR SAMPLE (NL/L) | MTHLMETHACRYLATE | nL/L | 80-62-6 | | | 05/02/2005 |
| 99776 | 2-CHLOROETHYL VINYL ETHER IN AIR SAMPLE (NL/L) | 2CHLRETHVNLETHER | nL/L | 110-75-8 | | | 05/02/2005 |
| 99777 | ETHYL METHACRYLATE IN AIR SAMPLE (NL/L) | ETHLMETHACRYLATE | nL/L | 97-63-2 | | | 05/02/2005 |
| 99778 | TRANS-1,4-DICHLORO-2-BUTENE IN AIR SAMPLE (NL/L) | T14DICHLR2BUTENE | nL/L | 110-57-6 | | | 05/02/2005 |
| 77637 | 2,5-DINITROTOLUENE IN WHOLE WATER SAMPLE (UG/L) | 25DINITROTOLUENE | ug/L | 619-15-8 | | | 06/29/2006 |
| 77632 | 3,5-DINITROTOLUENE IN WHOLE WATER SAMPLE (UG/L) | 35DINITROTOLUENE | ug/L | 618-85-9 | | | 06/29/2006 |
| 39770 | DACTHAL (DCPA) IN WHOLE WATER SAMPLE (UG/L) | DACTHAL (DCPA) | ug/L | 1861-32-1 | 14 | 70 | 01/09/2007 |
| 81410 | BUTYLATE IN WHOLE WATER SAMPLE (UG/L) | BUTYLATE | ug/L | 2008-41-5 | 80 | 400 | 01/09/2007 |
| 01060 | MOLYBDENUM, DISSOLVED (UG/L MO) | MOLYBDENM(MO)DIS | ug/L | 7439-98-7 | 8 | 40 | 01/09/2007 |
| 01062 | MOLYBDENUM, TOTAL (UG/L MO) | MOLYBDENM(MO)TOT | ug/L | 7439-98-7 | 8 | 40 | 01/09/2007 |
| 34696 | NAPHTHALENE IN WHOLE WATER SAMPLE (UG/L) | NAPHTHALENE | ug/L | 91-20-3 | 10 | 100 | 01/09/2007 |
| 99848 | BALANCE GAS(OTHER THAN CO2,CH4&O2)IN AIR SMPL,VOL% | BALANCE GAS VOL% | % | | | | 05/14/2007 |
| 00613 | NITRITE NITROGEN, DISSOLVED (MG/L AS N) | NO2-N, DISS | mg/L | 14797-65-0 | 0.2 | 1 | 06/19/2007 |
| 00615 | NITRITE NITROGEN, TOTAL (MG/L AS N) | NO2-N, TOTAL | mg/L | 14797-65-0 | 0.2 | 1 | 06/19/2007 |
| 00618 | NITRATE NITROGEN, DISSOLVED (MG/L AS N) | NO3-N, DISS | mg/L | 14797-55-8 | 2 | 10 | 06/19/2007 |
| 00620 | NITRATE NITROGEN, TOTAL (MG/L AS N) | NO3-N, TOTAL | mg/L | 14797-55-8 | 2 | 10 | 06/19/2007 |
| 99014 | XYLENE, M & P-, IN AIR SAMPLE (NL/L) | M & P-XYLENE | nL/L | 179601-23-1 | | | 06/20/2007 |
| ~~99727~~ | ~~2,4,6-TRIBROMOPHENOL, SURROGATE RECOVERY~~ | ~~2,4,6-TBP~~ | ~~ug/L~~ | ~~118-79-6~~ | | | 06/25/2007 |
| ~~99728~~ | ~~2-FLUOROBIPHENYL, SURROGATE RECOVERY~~ | ~~2-FBP~~ | ~~ug/L~~ | ~~321-60-8~~ | | | 06/25/2007 |
| ~~99729~~ | ~~2-FLUOROPHENOL, SURROGATE RECOVERY~~ | ~~2-FLUORO~~ | ~~ug/L~~ | ~~367-12-4~~ | | | 06/25/2007 |
| ~~99730~~ | ~~4-BROMOFLUOROBENZENE, SURROGATE RECOVERY~~ | ~~4-BFB-SUR~~ | ~~ug/L~~ | ~~460-00-4~~ | | | 06/25/2007 |
| ~~99731~~ | ~~PHENOL-D5, SURROGATE RECOVERY~~ | ~~PHENOL-5~~ | ~~ug/L~~ | ~~13127-88-3~~ | | | 06/25/2007 |
| ~~99732~~ | ~~DIBROMOFLUOROMETHANE, SURROGATE RECOVERY~~ | ~~SUR-DBMFM~~ | ~~ug/L~~ | ~~1868-53-7~~ | | | 06/25/2007 |
| ~~99733~~ | ~~TERPHENYL - D14, SURROGATE RECOVERY~~ | ~~TERPHENYL~~ | ~~ug/L~~ | ~~1718-51-0~~ | | | 06/25/2007 |
| ~~99734~~ | ~~TOULUENE-D8, SURROGATE RECOVERY~~ | ~~TOLUENE-D8-SUR~~ | ~~ug/L~~ | ~~2037-26-5~~ | | | 06/25/2007 |
| ~~99735~~ | ~~DITROBENZENE-D5, SURROGATE RECOVERY~~ | ~~D-5NB~~ | ~~ug/L~~ | ~~4165-60-0~~ | | | 06/25/2007 |
| 77871 | TETRAETHYLDITHIOPYROPHOSPHATE WHL WTR SAMP (UG/L) | SULFOTEPP | ug/L | 3689-24-5 | | | 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 |

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|---|---|---|---|---|---|---|---|
| 99924 | TEMPERATURE, SOIL, AT 80 CM DEPTH (DEGREES F) | TEMPSOIL80CMDEEP | F | | | | 09/04/2007 |
| ~~00011~~ | ~~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 | 7783-06-4 | 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 | 7704-34-9 | | | 11/02/2007 |
| ~~80107~~ | ~~SULFUR, TOTAL ELEMENTAL (MG/L)~~ | ~~SULFUR(S), TOTAL~~ | ~~mg/L~~ | ~~7704-34-9~~ | | | 11/05/2007 |
| 99797 | PENTAERYTHRITOL TETRANITRATE IN WHL WTR SMPL(UG/L) | PETN | ug/L | 78-11-5 | | | 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~~ | ~~79-20-9~~ | | | 01/08/2008 |
| 99396 | CRESOL, M & P-, IN WHOLE WATER SAMPLE (UG/L) | M & P-CRESOL | ug/L | 15831-10-4 | | | 01/22/2008 |
| 99707 | ALACHLOR ETHANESULFONIC ACID IN WHL WTR SMPL(UG/L) | ALACHLOR ESA | ug/L | 142363-53-9 | 4 | 20 | 02/05/2008 |
| 00045 | PRECIPITATION, TOTAL (INCHES PER DAY) | PRECIP,TOT,DAILY | in/d | | | | 02/20/2008 |
| 99870 | PRECIPITATION, VOLUME (1000 GALLONS/MONTH) | PRECIP, VOLUME | kgal/month | | | | 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 | MOISTURE, SOIL (PERCENT, DRY WEIGHT BASIS) | SOIL MOISTURE % | % | | | | 03/27/2008 |
| 99607 | TEMPERATURE, SOIL (DEGREES F) | SOIL TEMP DEG F | F | | | | 03/27/2008 |
| 77189 | N-BUTYL ACETATE IN WHOLE WATER SAMPLE (UG/L) | ~~N~~-BUTYL-ACETATE WTR | ug/L | 123-86-4 | | | 07/24/2008 |
| 99019 | NONANE IN AIR SAMPLE (NL/L) | NONANE | nL/L | 111-84-2 | | | 07/24/2008 |
| 99255 | OCTANE IN AIR SAMPLE (NL/L) | OCTANE | nL/L | 111-65-9 | | | 07/24/2008 |
| 99263 | ALPHA-PINENE IN AIR SAMPLE (NL/L) | ALPHA-PINENE | nL/L | 80-56-8 | | | 07/24/2008 |
| 99974 | ETHYL ACETATE IN AIR SAMPLE (NL/L) | ETHYL ACETATE | nL/L | 141-78-6 | | | 07/24/2008 |

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|---|---|---|---|---|---|---|---|
| 99608 | N-BUTYL ACETATE IN AIR SAMPLE (NL/L) | BUTYLACETATE AIR | nL/L | 123-86-4 | | | 07/28/2008 |
| 99922 | D-LIMONENE IN AIR SAMPLE (NL/L) | D-LIMONENE | nL/L | 5989-27-5 | | | 07/28/2008 |
| 73553 | ~~O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE~~THIONAZIN IN WHOLE WATER S | THIONAZIN | ug/L | 297-97-2 | | | 10/09/2009 |
| 98927 | GAS EXTRACTED,TOTAL MONTHLY VOLUME(1000CU FT/MONTH | GAS VOL EXTRACTD | kft^3/mnth | | | | 01/04/2010 |
| ~~46386~~ | ~~GAS FLOW RATE (CUBIC FEET/MIN)~~ | ~~GAS FLOW RATE~~ | ~~ft^3/min~~ | ~~7440-47-3~~ | | | ~~02/08/2010~~ |
| ~~99599~~ | ~~GAS EXTRACTED, TOTAL MONTHLY VOLUME(CU FEET/MONTH)~~ | ~~GAS VOL EXTRACTD~~ | ~~ft^3/month~~ | | | | ~~03/18/2010~~ |
| ~~46384~~ | ~~GAS PUMPED, VOLUME (CUBIC FEET/MIN)~~ | ~~GAS VOL PUMPED~~ | ~~ft^3/min~~ | | | | ~~03/23/2010~~ |
| 98438 | TOTAL MERCURY IN AIR AS HG (NL/L) | MERCURY IN AIR | NL/L | 7439-97-6 | | | 07/12/2010 |
| 03784 | HEXACHLORODIBENZO-P-DIOXINS, TOTAL (PG/L) | HXCDDIOXINSTOTAL | ~~u~~pg/L | 34465-46-8 | | | 11/09/2010 |
| 34675 | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN ~~W W S~~ (~~U~~PG/L) | 2378TCD~~D(~~DIOXIN~~)~~ | ~~u~~pg/L | 1746-01-6 | 3 | 30 | 11/09/2010 |
| 76025 | POLYCHLORINATED DIBENZO-P-DIOXINS, TOTAL (~~U~~PG/L) | ~~POLY~~CHLR~~D~~DIOXINS, TOT | ~~u~~pg/L | 136677-09-3 | | | 11/09/2010 |
| 99313 | 1,2,3,4-TETRACHLORODIBENZO-P-DIOXIN (PG/L) | 1234TCDDIOXIN | ~~u~~pg/L | 30746-58-8 | | | 11/09/2010 |
| 99314 | 1,2,7,8-TETRACHLORODIBENZO-P-DIOXIN (PG/L) | 1278TCDDIOXIN | ~~u~~pg/L | 34816-53-0 | | | 11/09/2010 |
| 99315 | 1,2,8,9-TETRACHLORODIBENZO-P-DIOXIN (PG/L) | 1289TCDDIOXIN | ~~u~~pg/L | 62470-54-6 | | | 11/09/2010 |
| 99316 | 1,3,6,8-TETRACHLORODIBENZO-P-DIOXIN (PG/L) | 1368TCDDIOXIN | ~~u~~pg/L | 33423-92-6 | | | 11/09/2010 |
| 99317 | 1,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (PG/L) | 1378TCDDIOXIN | ~~u~~pg/L | 50585-46-1 | | | 11/09/2010 |
| 99318 | 1,3,7,9-TETRACHLORODIBENZO-P-DIOXIN (PG/L) | 1379TCDDIOXIN | ~~u~~pg/L | 62470-53-5 | | | 11/09/2010 |
| 99319 | 1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN (PG/L) | 12378PECDDIOXIN | ~~u~~pg/L | 40321-76-4 | | | 11/09/2010 |
| 99320 | 1,2,4,7,8-PENTACHLORODIBENZO-P-DIOXIN (PG/L) | 12478PECDDIOXIN | ~~u~~pg/L | 58802-08-7 | | | 11/09/2010 |
| 99321 | 1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN (PG/L) | 123478HXCDDIOXIN | ~~u~~pg/L | 39227-28-6 | | | 11/09/2010 |
| 99322 | 1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN (PG/L) | 1234678HPCDDIOXN | ~~u~~pg/L | 35822-46-9 | | | 11/09/2010 |
| 99323 | 1,2,3,4,6,7,9-HEPTACHLORODIBENZO-P-DIOXIN (PG/L) | 1234679HPCDDIOXN | ~~u~~pg/L | 58200-70-7 | | | 11/09/2010 |
| 99324 | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN (~~O~~CDD~~D~~PG/L) | 12346789OCDDIOXN | ~~u~~pg/L | 3268-87-9 | | | 11/09/2010 |
| 99325 | 1,2,3,4-TETRACHLORODIBENZOFURAN (PG/L) | 1234TCDFURAN | ~~u~~pg/L | 24478-72-6 | | | 11/09/2010 |
| 99326 | 1,2,6,8-TETRACHLORODIBENZOFURAN (PG/L) | 1268TCDFURAN | ~~u~~pg/L | | | | 11/09/2010 |
| 99327 | 1,2,7,8-TETRACHLORODIBENZOFURAN (PG/L) | 1278TCDFURAN | ~~u~~pg/L | 58802-20-3 | | | 11/09/2010 |
| 99328 | 1,3,6,8-TETRACHLORODIBENZOFURAN (PG/L) | 1368TCDFURAN | ~~u~~pg/L | 71998-72-6 | | | 11/09/2010 |
| 99329 | 1,2,8,9-TETRACHLORODIBENZOFURAN (PG/L) | 1289TCDFURAN | ~~u~~pg/L | | | | 11/09/2010 |
| 99330 | 2,3,7,8-TETRACHLORODIBENZOFURAN (PG/L) | 2378TCDFURAN | ~~u~~pg/L | 51207-31-9 | | | 11/09/2010 |
| 99331 | 1,2,3,7,8-PENTACHLORODIBENZOFURAN (PG/L) | 12378PECDFURAN | ~~u~~pg/L | 57117-41-6 | | | 11/09/2010 |
| 99332 | 1,2,3,8,9-PENTACHLORODIBENZOFURAN (PG/L) | 12389PECDFURAN | ~~u~~pg/L | | | | 11/09/2010 |
| 99333 | 1,3,4,6,8-PENTACHLORODIBENZOFURAN (PG/L) | 13468PECDFURAN | ~~u~~pg/L | | | | 11/09/2010 |
| 99334 | 1,2,3,4,6,8-HEXACHLORODIBENZOFURAN (PG/L) | 123468HXCDFURAN | ~~u~~pg/L | | | | 11/09/2010 |
| 99335 | 1,2,3,4,7,8-HEXACHLORODIBENZOFURAN (PG/L) | 123478HXCDFURAN | ~~u~~pg/L | 70648-26-9 | | | 11/09/2010 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 99336 | 1,2,3,4,8,9-HEXACHLORODIBENZOFURAN (PG/L) | 123489HXCDFURAN | ~~u~~pg/L | | | | 11/09/2010 |
| 99337 | 1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN (PG/L) | 1234678HPCDFURAN | ~~u~~pg/L | 67562-39-4 | | | 11/09/2010 |
| 99338 | 1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN (PG/L) | 1234789HPCDFURAN | ~~u~~pg/L | 55673-89-7 | | | 11/09/2010 |
| 99339 | 1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN (~~OCDF~~PG/L) | 12346789OCDFURAN | ~~u~~pg/L | 39001-02-0 | | | 11/09/2010 |
| 99547 | 1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN (PG/L) | 123678HXCDDIOXIN | ~~u~~pg/L | 57653-85-7 | | | 11/09/2010 |
| 99548 | 1,2,3,6,7,8-HEXACHLORODIBENZOFURAN (PG/L) | 123678HXCDFURAN | ~~u~~pg/L | 57117-44-9 | | | 11/09/2010 |
| 99549 | 1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN (PG/L) | 123789HXCDDIOXIN | ~~u~~pg/L | 19408-74-3 | | | 11/09/2010 |
| 99550 | 1,2,3,7,8,9-HEXACHLORODIBENZOFURAN (PG/L) | 123789HXCDFURAN | ~~u~~pg/L | 72918-21-9 | | | 11/09/2010 |
| 99551 | 2,3,4,6,7,8-HEXACHLORODIBENZOFURAN (PG/L) | 234678HXCDFURAN | ~~u~~pg/L | 60851-34-5 | | | 11/09/2010 |
| 99552 | 2,3,4,7,8-PENTACHLORODIBENZOFURAN (PG/L) | 23478PECDFURAN | ~~u~~pg/L | 57117-31-4 | | | 11/09/2010 |
| 99553 | HEPTACHLORODIBENZO-P-DIOXINS, TOTAL (PG/L) | HPCDDIOXINSTOTAL | ~~u~~pg/L | 37871-00-4 | | | 11/09/2010 |
| 99554 | HEPTACHLORODIBENZOFURANS, TOTAL (PG/L) | HPCDFURANS,TOTAL | ~~u~~pg/L | 38998-75-3 | | | 11/09/2010 |
| 99555 | HEXACHLORODIBENZOFURANS, TOTAL (PG/L) | HXCDFURANS,TOTAL | ~~u~~pg/L | 55684-94-1 | | | 11/09/2010 |
| 99556 | PENTACHLORODIBENZO-P-DIOXINS, TOTAL (PG/L) | PECDDIOXINSTOTAL | ~~u~~pg/L | 36088-22-9 | | | 11/09/2010 |
| 99557 | PENTACHLORODIBENZOFURANS, TOTAL (PG/L) | PECDFURANS,TOTAL | ~~u~~pg/L | 30402-15-4 | | | 11/09/2010 |
| 99558 | TETRACHLORODIBENZO-P-DIOXINS, TOTAL (PG/L) | TCDDIOXINS,TOTAL | ~~u~~pg/L | 41903-57-5 | | | 11/09/2010 |
| 99559 | TETRACHLORODIBENZOFURANS, TOTAL (PG/L) | TCDFURANS, TOTAL | ~~u~~pg/L | 30402-14-3 | | | 11/09/2010 |
| 34561 | 1,3-DICHLOROPROPENE~~, DISS~~ IN WHL WTR SAMPLE (UG/L) | 13DICHLOROPROPEN | ug/L | 542-75-6 | 0 | 0.4 | 11/09/2010 |
| 85795 | XYLENE, M & P-, IN WHOLE WATER SAMPLE (UG/L) | M & P-XYLENE | ug/L | 179601-23-1 | 400 | 2000 | 01/14/2011 |
| 39516 | PCBS IN WHOLE WATER SAMPLE (~~M~~UG/L) | PCBS | ~~m~~ug/L | 1336-36-3 | 0 | 0.03 | 04/27/2011 |
| 77103 | 2-HEXANONE IN WHL WTR SAMPLE (UG/L) | 2-HEXANONE | ug/L | ~~95~~591-78-6 | | | 04/27/2012 |
| 77751 | 4,4'-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#015 | ug/L | 2050-68-2 | | | 10/30/2012 |
| 98267 | 3,4,4'-TRICHLOROBIPHENYL IN WHL WTR SMPL (UG/L) | PCB CONG#037 | ug/L | 38444-90-5 | | | 10/30/2012 |
| 98268 | 2,3,4,4'-TETRACHLOROBIPHENYL IN WHLWTRSMPL (UG/L) | PCB CONG#060 | ug/L | 33025-41-1 | | | 10/30/2012 |
| 98269 | 2,3,3',4,4'-PENTACHLOROBIPHENYL IN WWSMPL (UG/L) | PCB CONG#105 | ug/L | 32598-14-4 | | | 10/30/2012 |
| 98270 | 2,3,4,4',5-PENTACHLOROBIPHENYL IN WW SMPL (UG/L) | PCB CONG#114 | ug/L | 74472-37-0 | | | 10/30/2012 |
| 98237 | 2,3',4,4',5'-PENTACHLOROBIPHENYL IN WW SMPL(UG/L) | PCB CONG#123 | ug/L | 65510-44-3 | | | 10/30/2012 |
| 98236 | 3,3',4,4',5-PENTACHLOROBIPHENYL IN WW SMPL (UG/L) | PCB CONG#126 | ug/L | 57465-28-8 | | | 10/30/2012 |
| 98271 | 2,2',3,3',4,6'-HEXACHLOROBIPHENYL IN WWSMPL(UG/L) | PCB CONG#132 | ug/L | 38380-05-1 | | | 10/30/2012 |
| 98272 | 2,3,3',4,4',6-HEXACHLOROBIPHENYL IN WW SMPL(UG/L) | PCB CONG#158 | ug/L | 74472-42-7 | | | 10/30/2012 |
| 98265 | 3,3',4,4',5,5'-HEXACHLOROBIPHENYL IN WWSMPL(UG/L) | PCB CONG#169 | ug/L | 32774-16-6 | | | 10/30/2012 |
| 98273 | 2,3,3',4,4',5,5'-HEPTACHLOROBIPHENYL IN WWS(UG/L) | PCB CONG#189 | ug/L | 39635-31-9 | | | 10/30/2012 |
| 98274 | PCB CONG #020/028 (UG/L) | PCB CONG#020/028 | ug/L | | | | 10/30/2012 |
| 98244 | PCB CONG #026/029 (UG/L) | PCB CONG#026/029 | ug/L | | | | 10/30/2012 |
| 98242 | PCB CONG #049/069 (UG/L) | PCB CONG#049/069 | ug/L | | | | 10/30/2012 |
| 98277 | PCB CONG #083/099 (UG/L) | PCB CONG#083/099 | ug/L | | | | 10/30/2012 |
| 98241 | PCB CONG #110/115 (UG/L) | PCB CONG#110/115 | ug/L | | | | 10/30/2012 |
| 98279 | PCB CONG #128/166 (UG/L) | PCB CONG#128/166 | ug/L | | | | 10/30/2012 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 98281 | PCB CONG #135/151 (UG/L) | PCB CONG#135/151 | ug/L | | | | 10/30/2012 |
| 98280 | PCB CONG #147/149 (UG/L) | PCB CONG#147/149 | ug/L | | | | 10/30/2012 |
| 98240 | PCB CONG #153/168 (UG/L) | PCB CONG#153/168 | ug/L | | | | 10/30/2012 |
| 98282 | PCB CONG #156/157 (UG/L) | PCB CONG#156/157 | ug/L | | | | 10/30/2012 |
| 98239 | PCB CONG #180/193 (UG/L) | PCB CONG#180/193 | ug/L | | | | 10/30/2012 |
| 98238 | PCB CONG #183/185 (UG/L) | PCB CONG#183/185 | ug/L | | | | 10/30/2012 |
| 98283 | PCB CONG #198/201 (UG/L) | PCB CONG#198/201 | ug/L | | | | 10/30/2012 |
| 98243 | PCB CONG #044/047/065 (UG/L) | PCB#044/047/065 | ug/L | | | | 10/30/2012 |
| 98278 | PCB CONG #090/101/113 (UG/L) | PCB#090/101/113 | ug/L | | | | 10/30/2012 |
| 98275 | PCB CONG #061/070/074/076 (UG/L) | PCB#61/70/74/76 | ug/L | | | | 10/30/2012 |
| 98266 | PCB CONG #129/138/160/163 (UG/L) | PCB 4 CONGS | ug/L | | | | 10/30/2012 |
| 98276 | PCB CONG #086/087/097/109/119/125 (UG/L) | PCB 6 CONGS | ug/L | | | | 10/30/2012 |
| 01080 | STRONTIUM, DISSOLVED(UG/L SR) | STRONTIUM(SR)DIS | ug/L | 7440-24-6 | | | 12/13/2012 |
| 77115 | PENTANOIC ACID IN WHOLE WATER SAMPLE (mg/L) | PENTANOIC ACID | mg/L | 109-52-4 | | | 02/21/2013 |
| 03829 | PENTANOIC ACID, 4-METHYL IN WHL WATER SAMPLE (mg/L) | PENTANOIC ACID4M | mg/L | 646-07-1 | | | 02/21/2013 |
| 77190 | HEXANOIC ACID IN WHOLE WATER SAMPLE (mg/L) | HEXANOIC ACID | mg/L | 142-62-1 | | | 02/21/2013 |
| 81590 | ~~N-~~HEXANE, MIXTURE OF ISOMERS IN WHL WTR SMPLE (UG/L) | ~~N-~~HEXANE MIX | ug/L | ~~110-54-3~~ 92112-69-1 | | | 02/12/2014 |
| 98133 | ACETYLENE IN WHOLE WATER SAMPLE (UG/L) | ACETYLENE | ug/L | 74-86-2 | | | 01/21/2015 |
| 34753 | 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN, SOLID UG/KG DW | 2,3,7,8-TCDD,SOL | ug/kg | 1746-01-6 | | | 07/02/2015 |
| 82583 | PH, SOLID MATRIX (STANDARD UNITS) | PH, SOLID MATRIX | SU | | | | 07/02/2015 |
| 98127 | 2,3,7,8-TETRACHLORODIBENZOFURAN, SOLID (UG/KG DW) | 2,3,7,8-TCDF,SOL | ug/kg | 51207-31-9 | | | 07/02/2015 |
| 46225 | CHLORIDE, SOLID MATRIX (MG/KG DRY WT AS CL) | CHLORIDE, SM | mg/kg | 16887-00-6 | | | 07/02/2015 |
| 82458 | NITROGEN NO3+NO2, SOLID MATRIX (MG/KG) | NO3+NO2,SOLID MX | mg/kg | | | | 07/02/2015 |
| 00627 | NITROGEN KJELDAHL TOTAL, SOLID MATRIX (MG/KG AS N) | TKN SOLID MATRIX | mg/kg | | | | 07/02/2015 |
| 00668 | PHOSPHORUS, SOLID MATRIX (MG/KG DRY WT AS P) | PHOSPHORUS(P)SM | mg/kg | 7723-14-0 | | | 07/02/2015 |
| 00938 | POTASSIUM, SOLID MATRIX (MG/KG DRY WT AS K) | POTASSIUM(K)SM | mg/kg | 7440-09-7 | | | 07/02/2015 |
| 81951 | CARBON TOTAL ORGANIC, SOLID MATRIX (MG/KG) | TOC, SOLID MX | mg/kg | 7440-44-0 | | | 07/02/2015 |
| 70318 | SOLIDS PERCENT, SOLID MATRIX (%) | SOLIDS, SOLID MX | % | | | | 07/02/2015 |
| 01003 | ARSENIC, SOLID MATRIX (MG/KG DRY WT AS AS) | ARSENIC(AS)SM | mg/kg | 7440-38-2 | | | 07/02/2015 |
| 01013 | BERYLLIUM, SOLID MATRIX (MG/KG DRY WT AS BE) | BERYLLIUM(BE)SM | mg/kg | 7440-41-7 | | | 07/02/2015 |
| 01028 | CADMIUM, SOLID MATRIX (MG/KG DRY WT AS CD) | CADMIUM(CD)SM | mg/kg | 7440-43-9 | | | 07/02/2015 |
| 01029 | CHROMIUM, SOLID MATRIX (MG/KG DRY WT AS CR) | CHROMIUM(CR)SM | mg/kg | 7440-47-3 | | | 07/02/2015 |
| 01052 | LEAD, SOLID MATRIX (MG/KG DRY WT AS PB) | LEAD(PB)SM | mg/kg | 7439-92-1 | | | 07/02/2015 |
| 71921 | MERCURY, SOLID MATRIX (MG/KG DRY WT AS HG) | MERCURY(HG)SM | mg/kg | 7439-97-6 | | | 07/02/2015 |
| 39519 | PCBS (TOTAL AROCLORS), SOLID MATRIX (UG/KG DRY WT) | PCB(TOT ARCLR)SM | ug/kg | 1336-36-3 | | | 07/02/2015 |
| 85755 | BENZ(A)ANTHRACENE, SOLID MATRIX (UG/KG DRY WT) | BNZ(A)ANTH, SM | ug/kg | 56-55-3 | | | 07/02/2015 |
| 85754 | BENZO(A)PYRENE, SOLID MATRIX (UG/KG DRY WT) | BNZ(A)PYRENE, SM | ug/kg | 50-32-8 | | | 07/02/2015 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 34233 | BENZO(B)FLUORANTHENE, SOLID MATRIX (UG/KG DRY WT) | BNZ(B)FLRNTHN,SM | ug/kg | 205-99-2 | | | 07/02/2015 |
| 34559 | DIBENZ(AH)ANTHRACENE, SOLID MATRIX (UG/KG DRY WT) | DBZ(AH)ATHRCN,SM | ug/kg | 53-70-3 | | | 07/02/2015 |
| 34406 | INDENO(1,2,3-CD)PYRENE, SOLID MATRIX(UG/KG DRY WT) | INDN(123CD)PY,SM | ug/kg | 193-39-5 | | | 07/02/2015 |
| 31668 | TOTAL PAHS, SOLID MATRIX (UG/KG DRY WT) | PAHS,TOTAL,SM | ug/kg | | | | 07/02/2015 |
| 39373 | DDT, SOLID MATRIX (UG/KG DRY WT) | DDT,SOLID MATRIX | ug/kg | 50-29-3 | | | 07/02/2015 |
| 39363 | DDD, SOLID MATRIX (UG/KG DRY WT) | DDD,SOLID MATRIX | ug/kg | 72-54-8 | | | 07/02/2015 |
| 39368 | DDE, SOLID MATRIX (UG/KG DRY WT) | DDE,SOLID MATRIX | ug/kg | 72-55-9 | | | 07/02/2015 |
| 00008 | COMMENT, WELL OBSTRUCTED | CMT, OBSTRUCTED | | | | | 09/17/2015 |
| 00009 | % OPEN INTERVAL, GAS WELL SCREEN | %OPEN_IN,GAS_SCR | % | | | | 09/17/2015 |
| ~~98127~~ 30362 | 2,3,7,8-TETRACHLORODIBENZOFURAN, SOLID (UG/KG DW) | 2,3,7,8-TCDF,SOL | ug/kg | 51207-31-9 | | | 09/29/2015 |
| 98978 | ACETOCHLOR ESA IN WHOLE WATER SAMPLE (UG/L) | ACETO ESA WH WTR | ug/L | 187022-11-3 | 46 | 230 | 10/30/2015 |
| 98977 | ACETOCHLOR OA IN WHOLE WATER SAMPLE (UG/L) | ACETO OA WH WTR | ug/L | 184992-44-4 | 46 | 230 | 10/30/2015 |
| ~~99215~~ 45028 | CHLORODIFLUOROMETHANE IN WHOLE WATER SAMPLE (UG/L) | CHLDIFLU WH WTR | ug/L | 75-45-6 | 700 | 7000 | 11/05/2015 |
| 97870 | DIMETHENAMID-P IN WHOLE WATER SAMPLE (UG/L) | DIMETH-P WH WTR | ug/L | 163515-14-8 | 5 | 50 | 10/30/2015 |
| 97871 | S-METOLACHLOR IN WHOLE WATER SAMPLE (UG/L) | S-METOLAC WH WTR | ug/L | 87392-12-9 | 10 | 100 | 10/30/2015 |
| 98975 | METOLACHLOR ESA IN WHOLE WATER SAMPLE (UG/L) | METOL ESA WH WTR | ug/L | 171118-09-5 | 260 | 1300 | 10/30/2015 |
| 98974 | METOLACHLOR OA IN WHOLE WATER SAMPLE (UG/L) | METOL OA WH WTR | ug/L | 152019-73-3 | 260 | 1300 | 10/30/2015 |
| 61209 | PERCHLORATE IN WHOLE WATER SAMPLE (UG/L) | PERCHLORA WH WTR | ug/L | 14797-73-0 | 0.1 | 1 | 10/30/2015 |
| 98043 | 3-CHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#002 | ug/L | 2051-61-8 | | | 01/12/2016 |
| 77656 | 4-CHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#003 | ug/L | 2051-62-9 | | | 01/12/2016 |
| 77755 | 2,2'-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#004 | ug/L | 13029-08-8 | | | 01/12/2016 |
| 85702 | PCB CONG #005/008 (UG/L) | PCB CONG#005/008 | ug/L | | | | 01/12/2016 |
| 85701 | 2,3'-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#006 | ug/L | 25569-80-6 | | | 01/12/2016 |
| 85700 | 2,4-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#007 | ug/L | 33284-50-3 | | | 01/12/2016 |
| 98042 | 2,5-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#009 | ug/L | 34883-39-1 | | | 01/12/2016 |
| 77756 | 2,6-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#010 | ug/L | 33146-45-1 | | | 01/12/2016 |
| 98041 | 3,3'-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#011 | ug/L | 2050-67-1 | | | 01/12/2016 |
| 98040 | 3,4-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#012 | ug/L | 2974-92-7 | | | 01/12/2016 |
| 98039 | PCB CONG #012/013 (UG/L) | PCB CONG#012/013 | ug/L | | | | 01/12/2016 |
| 98038 | 3,4'-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#013 | ug/L | 2974-90-5 | | | 01/12/2016 |
| 19000 | 3,5-DICHLOROBIPHENYL IN WHOLE WATER SAMPLE (UG/L) | PCB CONG#014 | ug/L | 34883-41-5 | | | 01/12/2016 |
| 98037 | 2,2',3-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#016 | ug/L | 38444-78-9 | | | 01/12/2016 |
| 85707 | PCB CONG #016/032 (UG/L) | PCB CONG#016/032 | ug/L | | | | 01/12/2016 |
| 85705 | 2,2',4-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#017 | ug/L | 37680-66-3 | | | 01/12/2016 |
| 98036 | PCB CONG #018/030 (UG/L) | PCB CONG#018/030 | ug/L | | | | 01/12/2016 |
| 85703 | 2,2',6-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#019 | ug/L | 38444-73-4 | | | 01/12/2016 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 98035 | 2,3,3'-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#020 | ug/L | 38444-84-7 | | | 01/12/2016 |
| 77810 | 2,3,4-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#021 | ug/L | 55702-46-0 | | | 01/12/2016 |
| 98034 | PCB CONG #021/033 (UG/L) | PCB CONG#021/033 | ug/L | | | | 01/12/2016 |
| 85711 | 2,3,4'-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#022 | ug/L | 38444-85-8 | | | 01/12/2016 |
| 98033 | 2,3,5-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#023 | ug/L | 55720-44-0 | | | 01/12/2016 |
| 77806 | 2,3,6-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#024 | ug/L | 55702-45-9 | | | 01/12/2016 |
| 85706 | PCB CONG #024/027 (UG/L) | PCB CONG#024/027 | ug/L | | | | 01/12/2016 |
| 77813 | 2,3',4-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#025 | ug/L | 55712-37-3 | | | 01/12/2016 |
| 85708 | 2,3',5-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#026 | ug/L | 38444-81-4 | | | 01/12/2016 |
| 98032 | 2,3',6-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#027 | ug/L | 38444-76-7 | | | 01/12/2016 |
| 77809 | 2,4,4'-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#028 | ug/L | 7012-37-5 | | | 01/12/2016 |
| 85709 | PCB CONG #028/031 (UG/L) | PCB CONG#028/031 | ug/L | | | | 01/12/2016 |
| 77817 | 2,4,5-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#029 | ug/L | 15862-07-4 | | | 01/12/2016 |
| 77814 | 2,4,6-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#030 | ug/L | 35693-92-6 | | | 01/12/2016 |
| 98031 | 2,4',6-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#032 | ug/L | 38444-77-8 | | | 01/12/2016 |
| 85710 | 2,3',4'-TRICHLOROBIPHENYL IN WHOLE WTR SAMP(UG/L) | PCB CONG#033 | ug/L | 38444-86-9 | | | 01/12/2016 |
| 98030 | 2,3',5'-TRICHLOROBIPHENYL IN WHOLE WTR SAMP(UG/L) | PCB CONG#034 | ug/L | 37680-68-5 | | | 01/12/2016 |
| 98029 | 3,3',4-TRICHLOROBIPHENYL IN WHOLE WTR SAMP(UG/L) | PCB CONG#035 | ug/L | 37680-69-6 | | | 01/14/2016 |
| 98028 | 3,3',5-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#036 | ug/L | 38444-87-0 | | | 01/14/2016 |
| 85717 | PCB CONG #037/042 (UG/L) | PCB CONG#037/042 | ug/L | | | | 01/14/2016 |
| 98027 | 3,4,5-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#038 | ug/L | 53555-66-1 | | | 01/14/2016 |
| 98026 | 3,4',5-TRICHLOROBIPHENYL IN WHOLE WATER SAMP(UG/L) | PCB CONG#039 | ug/L | 38444-88-1 | | | 01/14/2016 |
| 77839 | 2,2',3,3'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#040 | ug/L | 38444-93-8 | | | 01/14/2016 |
| 98025 | PCB CONG #040/041/071 (UG/L) | PCB#040/041/071 | ug/L | | | | 01/14/2016 |
| 98024 | 2,2',3,4-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#041 | ug/L | 52663-59-9 | | | 01/14/2016 |
| 85720 | PCB CONG #041/064/071 (UG/L) | PCB#041/064/071 | ug/L | | | | 01/14/2016 |
| 98023 | 2,2',3,4'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#042 | ug/L | 36559-22-5 | | | 01/14/2016 |
| 98022 | 2,2',3,5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#043 | ug/L | 70362-46-8 | | | 01/14/2016 |
| 98021 | PCB CONG #043/073 (UG/L) | PCB CONG#043/073 | ug/L | | | | 01/14/2016 |
| 85712 | 2,2',3,6-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#045 | ug/L | 70362-45-7 | | | 01/14/2016 |
| 98020 | PCB CONG #045/051 (UG/L) | PCB CONG#045/051 | ug/L | | | | 01/14/2016 |
| 85713 | 2,2',3,6'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#046 | ug/L | 41464-47-5 | | | 01/14/2016 |
| 77846 | 2,2',4,4'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#047 | ug/L | 2437-79-8 | | | 01/14/2016 |
| 99763 | PCB CONG #047/048 (UG/L) | PCB CONG#047/048 | ug/L | | | | 01/14/2016 |
| 98019 | 2,2',4,5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#048 | ug/L | 70362-47-9 | | | 01/14/2016 |
| 85715 | 2,2',4,5'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#049 | ug/L | 41464-40-8 | | | 01/14/2016 |
| 98018 | 2,2',4,6-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#050 | ug/L | 62796-65-0 | | | 01/14/2016 |
| 98017 | PCB CONG #050/053 (UG/L) | PCB CONG#050/053 | ug/L | | | | 01/14/2016 |
| 98016 | 2,2',4,6'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#051 | ug/L | 68194-04-7 | | | 01/14/2016 |
| 98015 | 2,2',5,6'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#053 | ug/L | 41464-41-9 | | | 01/14/2016 |
| 77840 | 2,2',6,6'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#054 | ug/L | 15968-05-5 | | | 01/14/2016 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 98014 | 2,3,3',4-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#055 | ug/L | 74338-24-2 | | | 01/14/2016 |
| 98013 | 2,3,3',4'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#056 | ug/L | 41464-43-1 | | | 01/14/2016 |
| 85723 | PCB CONG #056/060 (UG/L) | PCB CONG#056/060 | ug/L | | | | 01/14/2016 |
| 98012 | 2,3,3',5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#057 | ug/L | 70424-67-8 | | | 01/14/2016 |
| 98011 | 2,3,3',5'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#058 | ug/L | 41464-49-7 | | | 01/14/2016 |
| 97881 | 2,3,3',6-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#059 | ug/L | 74472-33-6 | | | 01/14/2016 |
| 97880 | PCB CONG #059/062/075 (UG/L) | PCB#059/062/075 | ug/L | | | | 01/14/2016 |
| 77844 | 2,3,4,5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#061 | ug/L | 33284-53-6 | | | 01/14/2016 |
| 97879 | 2,3,4,6-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#062 | ug/L | 54230-22-7 | | | 01/14/2016 |
| 97878 | 2,3,4',5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#063 | ug/L | 74472-34-7 | | | 01/14/2016 |
| 97877 | 2,3,4',6-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#064 | ug/L | 52663-58-8 | | | 01/14/2016 |
| 77836 | 2,3,5,6-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#065 | ug/L | 33284-54-7 | | | 01/14/2016 |
| 85721 | PCB CONG #066/095 (UG/L) | PCB CONG#066/095 | ug/L | | | | 01/14/2016 |
| 97876 | 2,3',4,5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#067 | ug/L | 73575-53-8 | | | 01/14/2016 |
| 97875 | 2,3',4,5'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#068 | ug/L | 73575-52-7 | | | 01/14/2016 |
| 97874 | 2,3',4,6-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#069 | ug/L | 60233-24-1 | | | 01/14/2016 |
| 77845 | 2,3',4',5-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#070 | ug/L | 32598-11-1 | | | 01/14/2016 |
| 85719 | PCB CONG #070/076 (UG/L) | PCB CONG#070/076 | ug/L | | | | 01/14/2016 |
| 97873 | 2,3',4',6-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#071 | ug/L | 41464-46-4 | | | 01/14/2016 |
| 97872 | 2,3',5,5'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#072 | ug/L | 41464-42-0 | | | 01/14/2016 |
| 98000 | 2,3',5',6-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#073 | ug/L | 74338-23-1 | | | 01/14/2016 |
| 85718 | 2,4,4',5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#074 | ug/L | 32690-93-0 | | | 01/14/2016 |
| 97999 | 2,4,4',6-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#075 | ug/L | 32598-12-2 | | | 01/14/2016 |
| 97998 | 2,3',4',5'-TETRACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#076 | ug/L | 70362-48-0 | | | 01/14/2016 |
| 85727 | PCB CONG #077/110 (UG/L) | PCB CONG#077/110 | ug/L | | | | 01/14/2016 |
| 97997 | 3,3',4,5-TETRACHLOROBIPHENYL IN WHL WTR SMPL(UG/L) | PCB CONG#078 | ug/L | 70362-49-1 | | | 01/14/2016 |
| 97996 | 3,3',4,5'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#079 | ug/L | 41464-48-6 | | | 01/14/2016 |
| 97995 | 3,3',5,5'-TETRACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#080 | ug/L | 33284-52-5 | | | 01/14/2016 |
| 85728 | 2,2',3,3',4-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#082 | ug/L | 52663-62-4 | | | 01/14/2016 |
| 97994 | 2,2',3,3',5-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#083 | ug/L | 60145-20-2 | | | 01/14/2016 |
| 97993 | 2,2',3,3',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#084 | ug/L | 52663-60-2 | | | 01/14/2016 |
| 85724 | PCB CONG #084/092 (UG/L) | PCB CONG#084/092 | ug/L | | | | 01/14/2016 |
| 85726 | 2,2',3,4,4'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#085 | ug/L | 65510-45-4 | | | 01/14/2016 |
| 97992 | PCB CONG #085/087/097/108/119/125 (UG/L) | PCB 6 CONGS | ug/L | | | | 01/14/2016 |
| 97991 | PCB CONG #085/116/117 (UG/L) | PCB#085/116/117 | ug/L | | | | 01/14/2016 |
| 97990 | 2,2',3,4,5-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#086 | ug/L | 55312-69-1 | | | 01/14/2016 |
| 97989 | 2,2',3,4,6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#088 | ug/L | 55215-17-3 | | | 01/14/2016 |
| 97988 | PCB CONG #088/091 (UG/L) | PCB CONG#088/091 | ug/L | | | | 01/14/2016 |
| 97987 | 2,2',3,4,6'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#089 | ug/L | 73575-57-2 | | | 01/14/2016 |
| 97986 | 2,2',3,4',5-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#090 | ug/L | 68194-07-0 | | | 01/14/2016 |
| 85722 | 2,2',3,4',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#091 | ug/L | 68194-05-8 | | | 01/14/2016 |
| 97985 | 2,2',3,5,5'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#092 | ug/L | 52663-61-3 | | | 01/14/2016 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 97984 | 2,2',3,5,6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#093 | ug/L | 73575-56-1 | | | 01/14/2016 |
| 97983 | PCB CONG #093/098/100/102 (UG/L) | PCB 4 CONGS | ug/L | | | | 01/14/2016 |
| 97982 | 2,2',3,5,6'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#094 | ug/L | 73575-55-0 | | | 01/14/2016 |
| 97981 | 2,2',3,6,6'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#096 | ug/L | 73575-54-9 | | | 01/14/2016 |
| 77877 | 2,2',3,4',5'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#097 | ug/L | 41464-51-1 | | | 01/14/2016 |
| 97980 | 2,2',3,4',6'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#098 | ug/L | 60233-25-2 | | | 01/14/2016 |
| 85725 | 2,2',4,4',5-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#099 | ug/L | 38380-01-7 | | | 01/14/2016 |
| 97979 | 2,2',4,4',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#100 | ug/L | 39485-83-1 | | | 01/14/2016 |
| 97978 | 2,2',4,5,6'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#102 | ug/L | 68194-06-9 | | | 01/14/2016 |
| 97977 | 2,2',4,5',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#103 | ug/L | 60145-21-3 | | | 01/14/2016 |
| 97976 | 2,2',4,6,6'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#104 | ug/L | 56558-16-8 | | | 01/14/2016 |
| 97975 | 2,3,3',4,5-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#106 | ug/L | 70424-69-0 | | | 01/14/2016 |
| 97974 | 2,3,3',4',5-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#107 | ug/L | 70424-68-9 | | | 01/14/2016 |
| 97973 | PCB CONG #107/124 (UG/L) | PCB CONG#107/124 | ug/L | | | | 01/14/2016 |
| 97972 | 2,3,3',4,5'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#108 | ug/L | 70362-41-3 | | | 01/14/2016 |
| 97971 | 2,3,3',4,6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#109 | ug/L | 74472-35-8 | | | 01/14/2016 |
| 97970 | 2,3,3',5,5'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#111 | ug/L | 39635-32-0 | | | 01/14/2016 |
| 97969 | 2,3,3',5,6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#112 | ug/L | 74472-36-9 | | | 01/14/2016 |
| 97968 | 2,3,3',5',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#113 | ug/L | 68194-10-5 | | | 01/14/2016 |
| 97967 | 2,3,4,4',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#115 | ug/L | 74472-38-1 | | | 01/14/2016 |
| 77873 | 2,3,4,5,6-PENTACHLOROBIPHENYL IN WHL WTR SMP(UG/L) | PCB CONG#116 | ug/L | 18259-05-7 | | | 01/14/2016 |
| 97966 | 2,3,4',5,6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#117 | ug/L | 68194-11-6 | | | 01/14/2016 |
| 97965 | 2,3',4,4',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#119 | ug/L | 56558-17-9 | | | 01/14/2016 |
| 97964 | 2,3',4,5,5'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#120 | ug/L | 68194-12-7 | | | 01/14/2016 |
| 97963 | 2,3',4,5',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#121 | ug/L | 56558-18-0 | | | 01/14/2016 |
| 97962 | 2,3,3',4',5'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#122 | ug/L | 76842-07-4 | | | 01/14/2016 |
| 97961 | 2,3',4',5,5'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#124 | ug/L | 70424-70-3 | | | 01/14/2016 |
| 97960 | 2,3',4',5',6-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#125 | ug/L | 74472-39-2 | | | 01/14/2016 |
| 97959 | 3,3',4,5,5'-PENTACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#127 | ug/L | 39635-33-1 | | | 01/14/2016 |
| 99171 | 2,2',3,3',4,4'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#128 | ug/L | 38380-07-3 | | | 01/14/2016 |
| 97958 | 2,2',3,3',4,5-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#129 | ug/L | 55215-18-4 | | | 01/14/2016 |
| 97957 | PCB CONG #129/138/163 (UG/L) | PCB#129/138/163 | ug/L | | | | 01/14/2016 |
| 97956 | 2,2',3,3',4,5'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#130 | ug/L | 52663-66-8 | | | 01/14/2016 |
| 97955 | 2,2',3,3',4,6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#131 | ug/L | 61798-70-7 | | | 01/14/2016 |
| 85734 | PCB CONG #132/153 (UG/L) | PCB CONG#132/153 | ug/L | | | | 01/14/2016 |
| 97954 | 2,2',3,3',5,5'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#133 | ug/L | 35694-04-3 | | | 01/14/2016 |
| 97953 | 2,2',3,3',5,6-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#134 | ug/L | 52704-70-8 | | | 01/14/2016 |
| 97952 | PCB CONG #134/143 (UG/L) | PCB CONG#134/143 | ug/L | | | | 01/14/2016 |
| 97951 | 2,2',3,3',5,6'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#135 | ug/L | 52744-13-5 | | | 01/14/2016 |
| 85730 | PCB CONG #135/144 (UG/L) | PCB CONG#135/144 | ug/L | | | | 01/14/2016 |
| 77896 | 2,2',3,3',6,6'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#136 | ug/L | 38411-22-2 | | | 01/14/2016 |
| 97950 | 2,2',3,4,4',5-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#137 | ug/L | 35694-06-5 | | | 01/14/2016 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 85736 | PCB CONG #137/176 (UG/L) | PCB CONG#137/176 | ug/L | | | | 01/14/2016 |
| 77894 | 2,2',3,4,4',5'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#138 | ug/L | 35065-28-2 | | | 01/14/2016 |
| 97949 | 2,2',3,4,4',6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#139 | ug/L | 56030-56-9 | | | 01/14/2016 |
| 97948 | PCB CONG #139/140 (UG/L) | PCB CONG#139/140 | ug/L | | | | 01/14/2016 |
| 97947 | 2,2',3,4,4',6'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#140 | ug/L | 59291-64-4 | | | 01/14/2016 |
| 97946 | 2,2',3,4,5,6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#142 | ug/L | 41411-61-4 | | | 01/14/2016 |
| 97945 | 2,2',3,4,5,6'-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#143 | ug/L | 68194-15-0 | | | 01/14/2016 |
| 97944 | 2,2',3,4,5',6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#144 | ug/L | 68194-14-9 | | | 01/14/2016 |
| 97943 | 2,2',3,4,6,6'-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#145 | ug/L | 74472-40-5 | | | 01/14/2016 |
| 85733 | 2,2',3,4',5,5'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#146 | ug/L | 51908-16-8 | | | 01/14/2016 |
| 97942 | 2,2',3,4',5,6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#147 | ug/L | 68194-13-8 | | | 01/14/2016 |
| 97941 | 2,2',3,4',5,6'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#148 | ug/L | 74472-41-6 | | | 01/14/2016 |
| 85731 | 2,2',3,4',5',6-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#149 | ug/L | 38380-04-0 | | | 01/14/2016 |
| 97940 | 2,2',3,4',6,6'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#150 | ug/L | 68194-08-1 | | | 01/14/2016 |
| 97939 | 2,2',3,5,6,6'-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#152 | ug/L | 68194-09-2 | | | 01/14/2016 |
| 97938 | 2,2',4,4',5,6'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#154 | ug/L | 60145-22-4 | | | 01/14/2016 |
| 77897 | 2,2',4,4',6,6'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#155 | ug/L | 33979-03-2 | | | 01/14/2016 |
| 97937 | 2,3,3',4,4',5-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#156 | ug/L | 38380-08-4 | | | 01/14/2016 |
| 97936 | 2,3,3',4,4',5'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#157 | ug/L | 69782-90-7 | | | 01/14/2016 |
| 97935 | 2,3,3',4,5,5'-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#159 | ug/L | 39635-35-3 | | | 01/14/2016 |
| 97934 | 2,3,3',4,5,6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#160 | ug/L | 41411-62-5 | | | 01/14/2016 |
| 97933 | 2,3,3',4,5',6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#161 | ug/L | 74472-43-8 | | | 01/14/2016 |
| 97932 | 2,3,3',4',5,5'-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#162 | ug/L | 39635-34-2 | | | 01/14/2016 |
| 97931 | 2,3,3',4',5,6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#163 | ug/L | 74472-44-9 | | | 01/14/2016 |
| 97930 | 2,3,3',4',5',6-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#164 | ug/L | 74472-45-0 | | | 01/14/2016 |
| 97929 | 2,3,3',5,5',6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#165 | ug/L | 74472-46-1 | | | 01/14/2016 |
| 19001 | 2,3,4,4',5,6-HEXACHLOROBIPHENYL IN WHL WTR (UG/L) | PCB CONG#166 | ug/L | 41411-63-6 | | | 01/14/2016 |
| 97928 | 2,3',4,4',5',6-HEXACHLOROBIPHENYL IN WHL WTR(UG/L) | PCB CONG#168 | ug/L | 59291-65-5 | | | 01/14/2016 |
| 85746 | PCB CONG #170/190 (UG/L) | PCB CONG#170/190 | ug/L | | | | 01/14/2016 |
| 97927 | 2,2',3,3',4,4',6-HEPTACHLOROBIPHENYL WHL WTR(UG/L) | PCB CONG#171 | ug/L | 52663-71-5 | | | 01/14/2016 |
| 97926 | PCB CONG #171/173 (UG/L) | PCB CONG#171/173 | ug/L | | | | 01/14/2016 |
| 85742 | PCB CONG #171/202 (UG/L) | PCB CONG#171/202 | ug/L | | | | 01/14/2016 |
| 97925 | 2,2',3,3',4,5,5'-HEPTACHLOROBIPHENYL WHL WTR(UG/L) | PCB CONG#172 | ug/L | 52663-74-8 | | | 01/14/2016 |
| 85743 | PCB CONG #172/197 (UG/L) | PCB CONG#172/197 | ug/L | | | | 01/14/2016 |
| 97924 | 2,2',3,3',4,5,6-HEPTACHLOROBIPHENYL WHL WTR (UG/L) | PCB CONG#173 | ug/L | 68194-16-1 | | | 01/14/2016 |
| 85740 | 2,2',3,3',4,5,6'-HEPTACHLOROBIPHENYL WHL WTR(UG/L) | PCB CONG#174 | ug/L | 38411-25-5 | | | 01/14/2016 |
| 97923 | 2,2',3,3',4,5',6-HEPTACHLOROBIPHENYL WHL WTR(UG/L) | PCB CONG#175 | ug/L | 40186-70-7 | | | 01/14/2016 |
| 97922 | 2,2',3,3',4,6,6'-HEPTACHLOROBIPHENYL WHL WTR(UG/L) | PCB CONG#176 | ug/L | 52663-65-7 | | | 01/14/2016 |
| 85741 | 2,2',3,3',4,5',6'-HEPTACHLOROBIPHENYL WHLWTR(UG/L) | PCB CONG#177 | ug/L | 52663-70-4 | | | 01/14/2016 |
| 85737 | 2,2',3,3',5,5',6-HEPTACHLOROBIPHENYL WHL WTR(UG/L) | PCB CONG#178 | ug/L | 52663-67-9 | | | 01/14/2016 |
| 97921 | 2,2',3,3',5,6,6'-HEPTACHLOROBIPHENYL WHL WTR(UG/L) | PCB CONG#179 | ug/L | 52663-64-6 | | | 01/14/2016 |
| 97920 | 2,2',3,4,4',5,6-HEPTACHLOROBIPHENYL WHL WTR (UG/L) | PCB CONG#181 | ug/L | 74472-47-2 | | | 01/14/2016 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 85738 | PCB CONG #182/187 (UG/L) | PCB CONG#182/187 | ug/L | | | | 01/14/2016 |
| 77910 | 2,2',3,4,5,5',6-HEPTACHLOROBIPHENYL WHL WTR (UG/L) | PCB CONG#185 | ug/L | 52712-05-7 | | | 01/14/2016 |
| 97919 | 2,2',3,4,5,6,6'-HEPTACHLOROBIPHENYL WHL WTR (UG/L) | PCB CONG#186 | ug/L | 74472-49-4 | | | 01/14/2016 |
| 97918 | 2,2',3,4',5,6,6'-HEPTACHLOROBIPHENYL WHL WTR(UG/L) | PCB CONG#188 | ug/L | 74487-85-7 | | | 01/14/2016 |
| 97917 | 2,3,3',4,4',5,6-HEPTACHLOROBIPHENYL WWS WTR (UG/L) | PCB CONG#190 | ug/L | 41411-64-7 | | | 01/14/2016 |
| 97916 | 2,3,3',4,4',5',6-HEPTACHLOROBIPHENYL WWS WTR(UG/L) | PCB CONG#191 | ug/L | 74472-50-7 | | | 01/14/2016 |
| 97915 | 2,3,3',4,5,5',6-HEPTACHLOROBIPHENYL WWS WTR (UG/L) | PCB CONG#192 | ug/L | 74472-51-8 | | | 01/14/2016 |
| 97914 | 2,3,3',4',5,5',6-HEPTACHLOROBIPHENYL WWS WTR(UG/L) | PCB CONG#193 | ug/L | 69782-91-8 | | | 01/14/2016 |
| 77918 | 2,2',3,3',4,4',5,5'-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#194 | ug/L | 35694-08-7 | | | 01/14/2016 |
| 97913 | 2,2',3,3',4,4',5,6-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#195 | ug/L | 52663-78-2 | | | 01/14/2016 |
| 85749 | PCB CONG #195/208 (UG/L) | PCB CONG#195/208 | ug/L | 53742-07-7 | | | 01/14/2016 |
| 97912 | 2,2',3,3',4,4',5,6'-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#196 | ug/L | 42740-50-1 | | | 01/14/2016 |
| 85748 | PCB CONG #196/203 (UG/L) | PCB CONG#196/203 | ug/L | | | | 01/14/2016 |
| 77917 | 2,2',3,3',4,4',6,6'-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#197 | ug/L | 33091-17-7 | | | 01/14/2016 |
| 97911 | PCB CONG #197/200 (UG/L) | PCB CONG#197/200 | ug/L | | | | 01/14/2016 |
| 97910 | 2,2',3,3',4,5,5',6-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#198 | ug/L | 68194-17-2 | | | 01/14/2016 |
| 97909 | PCB CONG #198/199 (UG/L) | PCB CONG#198/199 | ug/L | | | | 01/14/2016 |
| 97868 | 2,2',3,3',4,5,5',6'-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#199 | ug/L | 52663-75-9 | | | 01/14/2016 |
| 97908 | 2,2',3,3',4,5,6,6'-OCTACHLOROBIPHENYL WWS(UG/L) | PCB CONG#200 | ug/L | 52663-73-7 | | | 01/14/2016 |
| 97867 | 2,2',3,3',4,5',6,6'-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#201 | ug/L | 40186-71-8 | | | 01/14/2016 |
| 77916 | 2,2',3,3',5,5',6,6'-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#202 | ug/L | 2136-99-4 | | | 01/14/2016 |
| 97907 | 2,2',3,4,4',5,5',6-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#203 | ug/L | 52663-76-0 | | | 01/14/2016 |
| 97906 | 2,2',3,4,4',5,6,6'-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#204 | ug/L | 74472-52-9 | | | 01/14/2016 |
| 97905 | 2,3,3',4,4',5,5',6-OCTACHLOROBIPHENYL WWS (UG/L) | PCB CONG#205 | ug/L | 74472-53-0 | | | 01/14/2016 |
| 97904 | 2,2',3,3',4,4',5,6,6'-NONACHLOROBIPHENYL WWS(UG/L) | PCB CONG#207 | ug/L | 52663-79-3 | | | 01/14/2016 |
| 97903 | 2,2',3,3',4,5,5',6,6'-NONACHLOROBIPHENYL WWS(UG/L) | PCB CONG#208 | ug/L | 52663-77-1 | | | 01/14/2016 |
| 79750 | DECACHLOROBIPHENYL WHOLE WATER SAMPLE (UG/L) | PCB CONG#209 | ug/L | 2051-24-3 | | | 01/14/2016 |
| ~~97721~~ | ~~N-METHYLPERFLUORO-1-OCTANESULFONAMIDOACET WW(ug/L)~~ | ~~N-METHYLPF-1-OCT~~ | ~~ug/L~~ | ~~2355-31-9~~ | | | ~~07/26/2019~~ |
| ~~97722~~ | ~~N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETI WW(ug/L)~~ | ~~N-ETHYLPF-1-OCT~~ | ~~ug/L~~ | ~~2991-50-6~~ | | | ~~07/26/2019~~ |
| 99598 | PERFLUORO-1-OCTANESULFONIC ACID (PFOS) WWS (ug/L) | PERFL-1-OCT ACID | ug/L | 1763-23-1 | | | 10/24/2016 |
| 99597 | PERFLUORO-N-OCTANOIC ACID (PFOA) WWS (ug/L) | PERFL-N-OCT ACID | ug/L | 335-67-1 | | | 10/24/2016 |
| 99923 | PERFLUORO-N-TRIDECANOIC ACID (PFTRDA) WWS (ug/L) | PERFL-N-TRI ACID | ug/L | 72629-94-8 | | | 10/24/2016 |
| 99924 | PERFLUORO-N-TETRADECANOIC ACID (PFTEDA) WWS (ug/L) | PERFL-N-TET ACID | ug/L | 376-06-7 | | | 10/24/2016 |
| 99987 | PERFLUORO-1-BUTANESULFONIC ACID (PFBS) WWS (ug/L) | PERFL-1-BUT ACID | ug/L | 375-73-5 | | | 10/24/2016 |
| 99988 | PERFLUORO-1-HEXANESULFONIC ACID (PFHXS) WWS (ug/L) | PERFL-1-HEX ACID | ug/L | 355-46-4 | | | 10/24/2016 |
| 99991 | PERFLUORO-N-BUTANOIC ACID (PFBA) WWS (ug/L) | PERFL-N-BUT ACID | ug/L | 375-22-4 | | | 10/24/2016 |
| 99992 | PERFLUORO-N-PENTANOIC ACID (PFPEA) WWS (ug/L) | PERFL-N-PEN ACID | ug/L | 2706-90-3 | | | 10/24/2016 |
| 99993 | PERFLUORO-N-HEXANOIC ACID (PFHXA) WWS (ug/L) | PERFL-N-HEX ACID | ug/L | 307-24-4 | | | 10/24/2016 |
| 99994 | PERFLUORO-N-HEPTANOIC ACID (PFHPA) WWS (ug/L) | PERFL-N-HEP ACID | ug/L | 375-85-9 | | | 10/24/2016 |
| 99995 | PERFLUORO-N-NONANOIC ACID (PFNA) WWS (ug/L) | PERFL-N-NON ACID | ug/L | 375-95-1 | | | 10/24/2016 |
| 99996 | PERFLUORO-N-DECANOIC ACID (PFDA) WWS (ug/L) | PERFL-N-DEC ACID | ug/L | 335-76-2 | | | 10/24/2016 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|
| 99997 | PERFLUORO-N-UNDECANOIC ACID (PFUDA) WWS (ug/L) | PERFL-N-UND ACID | ug/L | 2058-94-8 | | | 10/24/2016 |
| 99998 | PERFLUORO-N-DODECANOIC ACID (PFDOA) WWS (ug/L) | PERFL-N-DOD ACID | ug/L | 307-55-1 | | | 10/24/2016 |
| 552 | OIL & GREASE, HEXANE EXTRACTABLE MATERIAL(HEM)MG/L | OIL&GREASE (HEM) | mg/L | | | | 11/01/2016 |
| 70300 | RESIDUE, TOTAL FILTRABLE (TDS) DRIED AT 180C, MG/L | RESIDUE,TOT FILT | mg/L | | | | 07/26/2017 |
| 97622 | MOTOR OIL RANGE ORGANICS, TOTAL, UG/L | MOTR OIL RG U/GL | ug/L | | | | 11/16/2017 |
| 97603 | DIAMINOTOLUENE (2,4- AND 2,6-), TOTAL WATER (UG/L) | 24+26DIAMINTOLUE | ug/L | | | | 12/07/2017 |
| 97430 | CARBON, TOTAL IN WATER (TC) MG/L | TOTAL C IN H2O | mg/L | 7440-44-0 | | | 03/13/2019 |
| 97431 | CARBON, TOTAL INORGANIC IN WATER (TIC) MG/L | TOT C INORG WTR | mg/L | 7440-44-0 | | | 03/13/2019 |
| 97432 | 9-CHLOROHEXADECAFLUORO-3-OXANONE-1-SULF(WTR)ug/L | 9CL-PF3ONS | ug/L | 756426-58-1 | | | 03/15/2019 |
| 97433 | 11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SUL(WTR)ug/L | 11CL-PF3OUDS | ug/L | 763051-92-9 | | | 03/15/2019 |
| 97434 | 4,8-DIOXA-3H-PERFLUORONONANOIC ACID (WTR) ug/L | DONA | ug/L | 919005-14-4 | | | 03/15/2019 |
| 97435 | HEXAFLUOROPROPYLENE OXIDE DIMER ACID (WTR) ug/L | HFPO-DA | ug/L | 13252-13-6 | | | 03/15/2019 |
| 97425 | PERFLUOROPENTANESULFONIC ACID (PFPES) WWS (ug/L) | PFPES IN WTR | ug/L | 2706-91-4 | | | 07/26/2019 |
| 99989 | PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS) WWS ug/L | PFHPS IN WTR | ug/L | 375-92-8 | | | 07/26/2019 |
| 97424 | PERFLUORONONANESULFONIC ACID (PFNS) WWS (ug/L) | PFNS IN WTR | ug/L | 68259-12-1 | | | 07/26/2019 |
| 99990 | PERFLUORO-1-DECANESULFONIC ACID (PFDS) WWS (ug/L) | PFPES IN WTR | ug/L | 335-77-3 | | | 07/26/2019 |
| 97423 | PERFLUORODODECANESULFONIC ACID (PFDOS) WWS ug/L | PFDOS IN WTR | ug/L | 79780-39-5 | | | 07/26/2019 |
| 97422 | PERFLUOROOCTANESULFONAMIDE (FOSA) WWS (ug/L) | FOSA IN WTR | ug/L | 754-91-6 | | | 07/26/2019 |
| 97421 | N-METHYL PERFLUOROOCTANESULFONAMIDE WWS ug/L | NMEFOSA IN WTR | ug/L | 31506-32-8 | | | 07/26/2019 |
| 97420 | N-ETHYL PERFLUOROOCTANESULFONAMIDE WWS (ug/L) | NETFOSA IN WTR | ug/L | 4151-50-2 | | | 07/26/2019 |
| 97417 | N-METHYL PERFLUOROOCTANESULFONAMIDOETHAN WWS ug/L | N-MEFOSE IN WTR | ug/L | 24448-09-7 | | | 07/26/2019 |
| 97416 | N-ETHYL PERFLUOROOCTANESULFONAMIDOETH WWS (ug/L) | N-ETFOSE IN WTR | ug/L | 1691-99-2 | | | 07/26/2019 |
| 97415 | 4:2 FLUOROTELOMER SULFONIC ACID WWS (ug/L) | 4:2 FTSA IN WTR | ug/L | 757124-72-4 | | | 07/26/2019 |
| 97414 | 6:2 FLUOROTELOMER SULFONIC ACID WWS (ug/L) | 6:2 FTSA IN WTR | ug/L | 27619-97-2 | | | 07/26/2019 |
| 97413 | 8:2 FLUOROTELOMER SULFONIC ACID WWS (ug/L) | 8:2 FTSA IN WTR | ug/L | 39108-34-4 | | | 07/26/2019 |
| 97412 | 10:2 FLUOROTELOMER SULFONIC ACID WWS (ug/L) | 10:2 FTSA IN WTR | ug/L | 120226-60-0 | | | 07/26/2019 |
| 97410 | PERFLUORO-N-HEXADECANOIC ACID (PFHXDA) WWS ug/L | PFHXDA IN WTR | ug/L | 67905-19-5 | | | 07/26/2019 |
| 97409 | PERFLUORO-N-OCTADECANOIC ACID (PFODA) WWS (ug/L) | PFODA IN WTR | ug/L | 16517-11-6 | | | 07/26/2019 |
| 97437 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC WW(ug/L) | NMEFOSSAA IN WTR | ug/L | 2355-31-9 | | | 07/26/2019 |
| 97436 | N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETI WW(ug/L) | NETFOSAA IN WTR | ug/L | 2991-50-6 | | | 07/26/2019 |
| ~~00023~~ | ~~ELEVATION, LEACHATE HEAD IN FEET ABOVE MSL~~ | ~~LCHATE HEAD ELEV~~ | ~~ft~~ | | | | ~~11/08/2019~~ |
| ~~72020~~ | ~~ELEVATION, GROUNDWATER (FEET ABOVE MSL)~~ | ~~GRNDWTR ELEV,MSL~~ | ~~ft~~ | | | | ~~11/19/2019~~ |

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|---|---|---|---|---|---|---|---|
| ~~78721~~ | ~~PHTHALATES, TOTAL IN WHL WTR SAMPLE (MG/L)~~ | ~~TOTAL PHTHALATES~~ | ~~mg/L~~ | | | | ~~03/06/2020~~ |
| ~~39141~~ | ~~CREOSOTE, TOTAL (UG/L)~~ | ~~CREOSOTE, TOTAL~~ | ~~ug/L~~ | ~~8001-58-9~~ | | | ~~03/12/2020~~ |
| ~~32017~~ | ~~SODIUM CHLORIDE (MG/L)~~ | ~~NEED TO POPULATE~~ | ~~mg/L~~ | ~~7647-14-5~~ | | | ~~04/27/2020~~ |
| 11503 | RADIUM 226 + 228 TOTAL IN WATER (PCI/L) | RADIUM 226/228 ~~TOTAL~~ | pCi/L | ~~7440-14-4~~ | | 5 | 01/13/2023 |
| 1150 | TITANIUM, DISSOLVED (MG/L TI) | TITANIUM(TI),DIS | mg/L | 7440-32-6 | | | ~1/20/2023 |
| 97409 | PERFLUORO-N-OCTADECANOIC ACID (PFODA) WWS (~~ug~~ ng/L) | PFODA IN WTR | ~~ug~~ ng/L | 16517-11-6 | | | ~2/17/2023 |
| 97410 | PERFLUORO-N-HEXADECANOIC ACID (PFHXDA) WWS ~~ug~~ ng/L | PFHXDA IN WTR | ~~ug~~ ng/L | 67905-19-5 | | | ~2/17/2023 |
| 97412 | 10:2 FLUOROTELOMER SULFONIC ACID WWS (~~ug~~ ng/L) | 10:2 FTSA IN WTR | ~~ug~~ ng/L | 120226-60-0 | | | ~2/17/2023 |
| 97413 | 8:2 FLUOROTELOMER SULFONIC ACID WWS (~~ug~~ ng/L) | 8:2 FTSA IN WTR | ~~ug~~ ng/L | 39108-34-4 | | | ~2/17/2023 |
| 97414 | 6:2 FLUOROTELOMER SULFONIC ACID WWS (~~ug~~ ng/L) | 6:2 FTSA IN WTR | ~~ug~~ ng/L | 27619-97-2 | | | ~2/17/2023 |
| 97415 | 4:2 FLUOROTELOMER SULFONIC ACID WWS (~~ug~~ ng/L) | 4:2 FTSA IN WTR | ~~ug~~ ng/L | 757124-72-4 | | | ~2/17/2023 |
| 97416 | N-ETHYL PERFLUOROOCTANESULFONAMIDOETH WWS (~~ug~~ ng/L) | N-ETFOSE IN WTR | ~~ug~~ ng/L | 1691-99-2 | | | ~2/17/2023 |
| 97417 | N-METHYL PERFLUOROOCTANESULFONAMIDOETHAN WWS ~~ug~~ ng/L | N-MEFOSE IN WTR | ~~ug~~ ng/L | 24448-09-7 | | | ~2/17/2023 |
| 97420 | N-ETHYL PERFLUOROOCTANESULFONAMIDE WWS (~~ug~~ ng/L) | NETFOSA IN WTR | ~~ug~~ ng/L | 4151-50-2 | | | ~2/17/2023 |
| 97421 | N-METHYL PERFLUOROOCTANESULFONAMIDE WWS ~~ug~~ ng/L | NMEFOSA IN WTR | ~~ug~~ ng/L | 31506-32-8 | | | ~2/17/2023 |
| 97422 | PERFLUOROOCTANESULFONAMIDE (FOSA) WWS (~~ug~~ ng/L) | FOSA IN WTR | ~~ug~~ ng/L | 754-91-6 | | | ~2/17/2023 |
| 97423 | PERFLUORODODECANESULFONIC ACID (PFDOS) WWS ~~ug~~ ng/L | PFDOS IN WTR | ~~ug~~ ng/L | 79780-39-5 | | | ~2/17/2023 |
| 97424 | PERFLUORONONANESULFONIC ACID (PFNS) WWS (~~ug~~ ng/L) | PFNS IN WTR | ~~ug~~ ng/L | 68259-12-1 | | | ~2/17/2023 |
| 97425 | PERFLUOROPENTANESULFONIC ACID (PFPES) WWS (~~ug~~ ng/L) | PFPES IN WTR | ~~ug~~ ng/L | 2706-91-4 | | | ~2/17/2023 |
| 97432 | 9-CHLOROHEXADECAFLUORO-3-OXANONE-1-SULF(WTR)~~ug~~ ng/L | 9CL-PF3ONS | ~~ug~~ ng/L | 756426-58-1 | | | ~2/17/2023 |
| 97433 | 11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SUL(WTR)~~ug~~ ng/L | 11CL-PF3OUDS | ~~ug~~ ng/L | 763051-92-9 | | | ~2/17/2023 |
| 97434 | 4,8-DIOXA-3H-PERFLUORONONANOIC ACID (WTR) ~~ug~~ ng/L | DONA | ~~ug~~ ng/L | 919005-14-4 | | | ~2/17/2023 |
| 97435 | HEXAFLUOROPROPYLENE OXIDE DIMER ACID (WTR) ~~ug~~ ng/L | HFPO-DA | ~~ug~~ ng/L | 13252-13-6 | | | ~2/17/2023 |
| 97436 | N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETI WW(~~ug~~ ng/L) | NETFOSAA IN WTR | ~~ug~~ ng/L | 2991-50-6 | | | ~2/17/2023 |
| 97437 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC WW(~~ug~~ ng/L) | NMEFOSSAA IN WTR | ~~ug~~ ng/L | 2355-31-9 | | | ~2/17/2023 |
| 99597 | PERFLUORO-N-OCTANOIC ACID (PFOA) WWS (~~ug~~ ng/L) | PERFL-N-OCT ACID | ~~ug~~ ng/L | 335-67-1 | | | ~2/17/2023 |
| 99598 | PERFLUORO-1-OCTANESULFONIC ACID (PFOS) WWS (~~ug~~ ng/L) | PERFL-1-OCT ACID | ~~ug~~ ng/L | 1763-23-1 | | | ~2/17/2023 |
| 99923 | PERFLUORO-N-TRIDECANOIC ACID (PFTRDA) WWS (~~ug~~ ng/L) | PERFL-N-TRI ACID | ~~ug~~ ng/L | 72629-94-8 | | | ~2/17/2023 |
| 99924 | PERFLUORO-N-TETRADECANOIC ACID (PFTEDA) WWS (~~ug~~ ng/L) | PERFL-N-TET ACID | ~~ug~~ ng/L | 376-06-7 | | | ~2/17/2023 |
| 99987 | PERFLUORO-1-BUTANESULFONIC ACID (PFBS) WWS (~~ug~~ ng/L) | PERFL-1-BUT ACID | ~~ug~~ ng/L | 375-73-5 | | | ~2/17/2023 |
| 99988 | PERFLUORO-1-HEXANESULFONIC ACID (PFHXS) WWS (~~ug~~ ng/L) | PERFL-1-HEX ACID | ~~ug~~ ng/L | 355-46-4 | | | ~2/17/2023 |
| 99989 | PERFLUORO-1-HEPTANESULFONIC ACID (PFHPS) WWS ~~ug~~ ng/L | PFHPS IN WTR | ~~ug~~ ng/L | 375-92-8 | | | ~2/17/2023 |
| 99990 | PERFLUORO-1-DECANESULFONIC ACID (PFDS) WWS (~~ug~~ ng/L) | PFPES IN WTR | ~~ug~~ ng/L | 335-77-3 | | | ~2/17/2023 |
| 99991 | PERFLUORO-N-BUTANOIC ACID (PFBA) WWS (~~ug~~ ng/L) | PERFL-N-BUT ACID | ~~ug~~ ng/L | 375-22-4 | | | ~2/17/2023 |
| 99992 | PERFLUORO-N-PENTANOIC ACID (PFPEA) WWS (~~ug~~ ng/L) | PERFL-N-PEN ACID | ~~ug~~ ng/L | 2706-90-3 | | | ~2/17/2023 |

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|---|---|---|---|---|---|---|---|
| 99993 | PERFLUORO-N-HEXANOIC ACID (PFHXA) WWS (~~ug~~ ng/L) | PERFL-N-HEX ACID | ~~ug~~ ng/L | 307-24-4 | | | ~2/17/2023 |
| 99994 | PERFLUORO-N-HEPTANOIC ACID (PFHPA) WWS (~~ug~~ ng/L) | PERFL-N-HEP ACID | ~~ug~~ ng/L | 375-85-9 | | | ~2/17/2023 |
| 99995 | PERFLUORO-N-NONANOIC ACID (PFNA) WWS (~~ug~~ ng/L) | PERFL-N-NON ACID | ~~ug~~ ng/L | 375-95-1 | | | ~2/17/2023 |
| 99996 | PERFLUORO-N-DECANOIC ACID (PFDA) WWS (~~ug~~ ng/L) | PERFL-N-DEC ACID | ~~ug~~ ng/L | 335-76-2 | | | ~2/17/2023 |
| 99997 | PERFLUORO-N-UNDECANOIC ACID (PFUDA) WWS (~~ug~~ ng/L) | PERFL-N-UND ACID | ~~ug~~ ng/L | 2058-94-8 | | | ~2/17/2023 |
| 99998 | PERFLUORO-N-DODECANOIC ACID (PFDOA) WWS (~~ug~~ ng/L) | PERFL-N-DOD ACID | ~~ug~~ ng/L | 307-55-1 | | | ~2/17/2023 |
| 95498 | PERFLUORO-3-METHOXYPROPANOIC ACID (PFMPA) WWS (NG/L) | PERFL-3-MET ACID | ng/L | 377-73-1 | | | 08/14/2025 |
| 95501 | PERFLUORO-4-METHOXYBUTANOIC ACID (PFMBA) WWS (NG/L) | PERFL-4-MET ACID | ng/L | 863090-89-5 | | | 08/14/2025 |
| 95504 | PERFLUORO(2-ETHOXYETHANE)SULFONIC ACID (PFEESA) WWS (NG/L) | PERFL-SULF ACID | ng/L | 113507-82-7 | | | 08/14/2025 |
| 95507 | NONAFLUORO-3,6-DIOXAHEPTANOIC ACID (NFDHA) WWS (NG/L) | NON-3,6-DIO ACID | ng/L | 151772-58-6 | | | 08/14/2025 |
| 95510 | 3-PERFLUOROHEPTYL PROPANOIC ACID (7:3 FTCA) WWS (NG/L) | 3PERFL HEPT ACID | ng/L | 812-70-4 | | | 08/14/2025 |
| 95511 | 2H,2H,3H,3H-PERFLUOROOCTANOIC ACID (5:3 FTCA) WWS (NG/L) | 2H,2H-PERFL ACID | ng/L | 914637-49-3 | | | 08/14/2025 |
| 95512 | 3-PERFLUOROPROPYL PROPANOIC ACID (3:3 FTCA) WWS (NG/L) | 3PERF-PRO ACID | ng/L | 356-02-5 | | | 08/14/2025 |
| 00012 | GROUND CONDITIONS (-1 FROZEN, 0 DRY, 1 WET) | GROUND CONDS | | | | | 08/14/2025 |
| 97412 | 10:2 FLUOROTELOMER SULFONIC ACID (10:2 FTSA) WWS (ng/L) | 10:2 FTSA IN WTR | ng/L | 120226-60-0 | | | 08/14/2025 |
| 97413 | 8:2 FLUOROTELOMER SULFONIC ACID (8:2 FTSA) WWS (ng/L) | 8:2 FTSA IN WTR | ng/L | 39108-34-4 | | | 08/14/2025 |
| 97414 | 6:2 FLUOROTELOMER SULFONIC ACID (6:2 FTSA) WWS (ng/L) | 6:2 FTSA IN WTR | ng/L | 27619-97-2 | | | 08/14/2025 |
| 97415 | 4:2 FLUOROTELOMER SULFONIC ACID (4:2 FTSA) WWS (ng/L) | 4:2 FTSA IN WTR | ng/L | 757124-72-4 | | | 08/14/2025 |
| 97416 | N-ETHYL PERFLUOROOCTANESULFONAMIDOETH (N-ETFOSE) WWS (ng/L) | N-ETFOSE IN WTR | ng/L | 1691-99-2 | | | 08/14/2025 |
| 97417 | N-METHYL PERFLUOROOCTANESULFONAMIDOETHAN (N-MEFOSE) WWS (ng/L) | N-MEFOSE IN WTR | ng/L | 24448-09-7 | | | 08/14/2025 |
| 97420 | N-ETHYL PERFLUOROOCTANESULFONAMIDE (NETFOSA) WWS (ng/L) | NETFOSA IN WTR | ng/L | 4151-50-2 | | | 08/14/2025 |
| 97421 | N-METHYL PERFLUOROOCTANESULFONAMIDE (NMEFOSA) WWS (ng/L) | NMEFOSA IN WTR | ng/L | 31506-32-8 | | | 08/14/2025 |
| 97432 | 9-CHLOROHEXADECAFLUORO-3-OXANONE-1-SULF (9CL-PF3ONS) {WTR} (ng/L) | 9CL-PF3ONS | ng/L | 756426-58-1 | | | 08/14/2025 |
| 97433 | 11-CHLOROEICOSAFLUORO-3-OXAUNDECANE-1-SUL (11CL-PF3OUDS) {WTR} (ng/L) | 11CL-PF3OUDS | ng/L | 763051-92-9 | | | 08/14/2025 |
| 97434 | 4,8-DIOXA-3H-PERFLUORONONANOIC ACID (DONA) {WTR} (ng/L) | DONA | ng/L | 919005-14-4 | | | 08/14/2025 |
| 97435 | HEXAFLUOROPROPYLENE OXIDE DIMER ACID (HFPO-DA) (WTR) (ng/L) | HFPO-DA | ng/L | 13252-13-6 | | | 08/14/2025 |
| 97436 | N-ETHYLPERFLUORO-1-OCTANESULFONAMIDOACETI (NETFOSAA) WWS (ng/L) | NETFOSAA IN WTR | ng/L | 2991-50-6 | | | 08/14/2025 |
| 97437 | N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC (NMEFOSSAA) WWS (ng/L) | NMEFOSSAA IN WTR | ng/L | 2355-31-9 | | | 08/14/2025 |
| 01055 & 01056 | 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 *Procedures for Preparing and Submitting Landfill Environmental Monitoring Data* have been updated to include the new substances and the revised enforcement standards (ES) and preventive action limits (PAL).<br><br>Of special note about the NR140 revision: 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. | | | | | | 01/01/2011 |

| GEMS Parm# | Parameter Description | Parm Abbrev. | Units | CAS# | PAL | ENF STD | Date Changed |
|---|---|---|---|---|---|---|---|

How to report ES and PALS to GEMS for Manganese (Mn): 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:

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

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