

DEPARTMENT OF NATURAL RESOURCES
AND ENVIRONMENTAL CONTROL

DIVISION OF WASTE AND HAZARDOUS SUBSTANCES

Site Investigation & Restoration Section



Screening Level Table

January 1, 2013

Last Updated July 2016

The screening levels listed in the Screening Level Table in Appendix A should be used for screening purposes only for the protection of human health and the environment. The screening levels are not to be construed as site specific clean up levels. The Screening Level Table combines background, risk-based and regulatory values in soil, groundwater, soil gas, sediment and surface water. The screening levels should be used to determine the contaminants of potential concern (COPCs) in the risk assessment process. Any laboratory confirmed analyte concentration exceeding the Screening Level Table values may require further evaluation. These screening levels should be used in lieu of the URS values and the values established in the 2007 Policy Concerning the Default Background Concentration of Arsenic and Revision to the Remediation Standards Guidance for all new sites (as of January 1, 2013) regulated under HSCA and for existing sites where a risk assessment has not yet been performed.

The screening levels for soil are primarily based on the United States Environmental Protection Agency (EPA) Regional Screening Levels (RSLs) for residential soil, with several exceptions.

Unlike the URS values, there is now only one screening level per analyte for soil. Therefore, soil sample results should be compared to the soil screening level for the particular chemical analyzed regardless of the current or future land use or whether the sample was collected in a Critical Water Resource Area or Non-Critical Water Resource Area. If a hazardous substance exceeds the screening level, it is generally considered a COPC.

The screening levels for groundwater are primarily based on the EPA RSLs for tapwater. When the EPA RSL for tapwater exceeds the Delaware or Federal Maximum Contaminant Level (MCL) for drinking water, then the MCL replaces the RSL as the screening level.

Screening levels for groundwater to indoor air were added to the DNREC-SIRS screening level table in January 2015. Groundwater values should be screened for the groundwater to indoor air pathway by comparing the groundwater result to the screening table. Results that exceed the groundwater screening value should be carried to the next step in the risk assessment process. For some compounds, the groundwater value that presents a risk for groundwater to indoor air is lower than the groundwater ingestion pathway values. These screening levels were generated by using the EPA Vapor Intrusion Screening Level (VISL) Calculator.

Screening levels for sub-slab and external soil gas were added to the DNREC-SIRS screening level table in January 2014. These levels were derived from the EPA Vapor Intrusion Screening Level (VISL) calculator Version 3.2. The majority of the screening levels are from IRIS and EPA Provisional Peer Reviewed Toxicity Values. USEPA Vapor Intrusion Screening Level Calculator may also be used to calculate a screening level of TR=1-06 and THQ=0.1. The calculator may be downloaded from <http://www.epa.gov/oswer/vaporintrusion/guidance.html>. Soil gas or sub-slab results which exceed the screening levels should be evaluated with the Johnson-Ettinger Model using Site specific data.

Screening levels for ecological sediment, surface water and soil were added to the DNREC-SIRS screening level table in January 2014. The sediment and surface water screening levels represent both freshwater and marine environments, and they were derived from the EPA Region III BTAG Screening Benchmarks for sediment and surface water, with several exceptions. When

the EPA Screening Benchmarks exceeds the Delaware Surface Water Quality Criteria for the Protection of Aquatic Life, then the Delaware Surface Water Quality Standard replaces the EPA Screening Benchmark as the screening level. Freshwater means the salinity is less than 1 part per thousand; marine water means the salinity is greater than 10 parts per thousand. If a surface water sample has a salinity measurement between 1 – 10 parts per thousand, use the lower of the two screening values. The soil screening levels were mostly derived from RAIS; however, some levels were derived from the NOAA Screening Quick Reference Tables.

Screening levels may be at concentrations which are below the routine laboratory method detection limit (MDL). When the HSCA-approved laboratory is unable to detect concentrations as low as the screening level, the routine MDL for the laboratory shall become the screening level and contaminants will be considered COPCs if they exceed the MDL. In some instances, DNREC-SIRS may require that the best available technology (i.e. a different analytic method) be used to achieve a lower MDL based on site-specific conditions.

The Screening Level Table will be updated as significant changes occur, and the updated table will be available on the SIRS webpage. Analytes may be added or deleted from the table. Therefore, please ensure that you are using the most current version of the Screening Level Table, available in Appendix A and on the SIRS webpage. The analytes with concentrations that have been updated between the previous version and the current version of the Screening Level Table will be indicated. The effective date of the most recent revision will be listed in the heading of the table.

A special note regarding Endosulfan (115-29-7): Please sum Endosulfan I and Endosulfan II analytical results and compare the sum to the screening level for Endosulfan.

Appendix A

Screening Level Table

Changes to the DNREC-SIRS Screening Level Table in July 2016:

1. The following analytes were newly added to the screening level table due to changes in the EPA Regional Screening Level table (with TR = 1E-06 and THQ = 0.1) in May 2016:

<u>Analyte</u>	<u>CAS No.</u>
Thallic Oxide	1314-32-5
Thallium Selenite	12039-52-0
Toluene-2,4-diisocyanate	584-84-9
Toluene-2,6-diisocyanate	91-08-7
Toluidine, o- (Methylaniline, 2-)	95-53-4

2. The following analyte name was updated due to a change in the EPA Regional Screening Level table (with TR = 1E-06 and THQ = 0.1) in May 2016:

Propanediol, 1,2- (114-26-1) changed to Phenol, 2-(1-methylethoxy)-, methylcarbamate.

3. ~Butyl Benzyl Phthalate (85-68-7) changed position in the DNREC-SIRS Screening Level Table and can now be found under the group header Phthalates.

4. The following analytes had soil screening levels which changed due to changes in the EPA Regional Screening Level table (with TR = 1E-06 and THQ = 0.1) in May 2016. Both the old and new concentrations are listed below:

<u>Analyte</u>	<u>CAS No.</u>	<u>Old Conc. (mg/kg)</u>	<u>New Conc. (mg/kg)</u>
Benzaldehyde	100-52-7	780	170
Chloronitrobenzene, p- ~Cyanide (CN-)	100-00-5	6.3	4.4
Dimethylvinylchloride	57-12-5	0.27	2.3
~Lead acetate	513-37-1	0.2	1.1
Thallium (I) Nitrate	301-04-2	1.9	64
Thallium Acetate	10102-45-1	0.055	0.078
Thallium Chloride	563-68-8	0.047	0.078
	7791-12-0	0.047	0.078

5. The following analytes had groundwater screening levels which changed due to changes in the EPA Regional Screening Level table (with TR = 1E-06 and THQ = 0.1) in May 2016. Both the old and new concentrations are listed below:

<u>Analyte</u>	<u>CAS No.</u>	<u>Old Conc. (ug/l)</u>	<u>New Conc. (ug/l)</u>
Benzaldehyde	100-52-7	190	19
Chlordane	12789-03-6	0.045	0.02
Chloronitrobenzene, p- ~Lead acetate	100-00-5	1.8	1.2
Thallium (I) Nitrate	301-04-2	0.28	9.2
Thallium Acetate	10102-45-1	0.014	0.02
Thallium Chloride	563-68-8	0.012	0.02
Acetone Cyanohydrin*	7791-12-0	0.012	0.02
	75-86-5	0.42	---

*Change occurred in EPA RSL table in June 2015

6. The following analytes had groundwater screening levels which changed due to changes in the EPA Health Advisory Level in May 2016. When both PFOS and PFOA are detected in groundwater, the combined concentrations of PFOS and PFOA should be compared to the Health Advisory Level. Both the old and new concentrations are listed below:

<u>Analyte</u>	<u>CAS No.</u>	<u>Old Conc. (ug/l)</u>	<u>New Conc. (ug/l)</u>
Perfluorooctane Sulfonate (PFOS)	1763-23-1	0.2	0.07
Perfluorooctanoic acid (PFOA)	335-67-1	0.4	0.07

7. Screening levels for groundwater to indoor air (VI) were added to the table as a separate column (column 10). Previously these values were included after the “/” in the groundwater (ingestion) screening level column. These levels are lower than the groundwater ingestion values and were calculated using EPA Vapor Intrusion Screening Level (VISL) Calculator.
8. For administrative purposes only, DNREC-SIRS added an identifier in the CAS number column for all analytes where the CAS number was listed as NA in the EPA RSL table.
9. A new column (column 4) was added to the table to indicate whether an analyte is volatile.
10. The keys describing some of the soil and groundwater screening levels (i.e. BTV, PYR, DRO, GRO, HAL) changed slightly.

The screening level table is arranged in the following manner:

1. Analyte is indicated in column 1.
2. Chemical Abstracts Service (CAS) registry number corresponding to the analyte is indicated in column 2. If a CAS number is not available for an analyte, another identifier may be indicated in this column for administrative purposes only.
3. Whether the analyte is carcinogenic or non-carcinogenic is indicated in column 3.
4. Whether the analyte is volatile is indicated in column 4.
5. If analyte is part of EPA's Target Analyte List (TAL) or Target Compound List (TCL), 'TAL' or 'TCL' is indicated in column 5.
6. Screening level for soil is indicated in milligrams per kilogram (mg/kg) in column 6.
7. Key describing how soil screening level was derived is included in column 7.
8. Screening level for groundwater (ingestion) is indicated in micrograms per liter (ug/l) in column 8.
9. Key describing how groundwater (ingestion) screening level was derived is included in column 9.
10. Screening level for groundwater (VI) is indicated in micrograms per liter (ug/l) in column 10.
11. Screening level for sub-slab and external soil gas samples in micrograms per cubic meter (ug/m³) in column 11.
12. Screening level for ecological fresh-water sediment is indicated in milligrams per kilogram (mg/kg) in column 12.
13. Screening level for ecological fresh-water surface water is indicated in micrograms per liter (ug/l) in column 13.
14. Screening level for ecological salt-water sediment is indicated in milligrams per kilogram (mg/kg) in column 14.
15. Screening level for ecological salt-water surface water is indicated in micrograms per liter (ug/l) in column 15.
16. Screening level for ecological salt-water surface water is indicated in micrograms per liter (ug/l) in column 16.

The keys, which describe how the screening levels were derived, are defined as follows:

RSL	EPA Regional Screening Level from May 2016 (with TR= 1E-06 and THQ= 0.1);
BTV	Background Threshold Value was calculated based on samples from Delaware background studies. The concentration is either an Upper Threshold Limit (UTL) 95/95 (for metals) or a 95% Upper Simultaneous Limit (USL) (for PAHs) with the exception of Arsenic. Arsenic's background concentration was established previously;
Csat	Soil saturation concentration was adopted as the screening level. Above this concentration the contaminant may be present in free phase;

DNREC-SIRS SCREENING LEVEL TABLE – LAST UPDATED JULY 2016

MAG	Massachusetts guidance for petroleum hydrocarbons was adopted as the screening level;
MAX	Maximum ceiling value was adopted as the screening level;
MCL	Delaware or Federal Maximum Contaminant Level;
PQL	Practical Quantitation Level was adopted as the screening level;
HAL	EPA's Lifetime Health Advisory Level (May 2016) was adopted as the screening level. When both PFOS and PFOA are detected in groundwater, the combined concentrations of PFOS and PFOA should be compared to the Health Advisory Level;
EPAR4	EPA Region 4 Residential Soil Screening Level (Nov. 2009) was adopted as the screening level;
PYR	EPA RSL for Pyrene was adopted as the screening level for Phenanthrene, although Phenanthrene is not included within the EPA RSL table;
DRO	DNREC-Tank Management Section (TMS) Tier 0 action level for TPH-DRO was adopted as the screening level;
GRO	DNREC-Tank Management Section (TMS) Tier 0 action level for TPH-GRO was adopted as the screening level;
=	Data from 7 DE Admin Code 7401 Surface Water Quality Standards Regulations - Table 1: Water Quality Criteria for Protection of Aquatic Life.
==	Data from NOAA Screening Quick Reference Tables (http://response.restoration.noaa.gov/sites/default/files/SQuiRTs.pdf)
ug/l	micrograms per liter;
ug/m ³	micrograms per cubic meter;
mg/kg	milligrams per kilogram;
TAL	EPA Target Analyte List for Metals and Cyanide;
TCL	EPA Target Compound List for Volatile Compounds, Semivolatile Compounds, and Pesticides/Aroclors;
c	carcinogenic;
n	non-carcinogenic;
---	No soil or groundwater screening level is available; OR No identified vapor intrusion risk because the chemical is either not volatile or inhalation toxicity information is not available; OR No ecological risk because the chemical is either not a risk or no data is available.

DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant																
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)	
Acephate	30560-19-1	n			25	RSL	8	RSL	---	---	---	---	---	---	---	
Acetaldehyde	75-07-0	n	V		8.2	RSL	1.9	RSL	---	31	---	---	---	---	---	
Acetochlor	34256-82-1	n			130	RSL	35	RSL	---	---	---	---	---	---	---	
Acetone	67-64-1	n	V	TCL	6100	RSL	1400	RSL	---	110000	---	1500	---	564000	---	
Acetone Cyanohydrin	75-86-5	n			100000	MAX	---	---	---	---	---	---	---	---	---	
Acetonitrile	75-05-8	n	V		81	RSL	13	RSL	---	210	---	12000	---	---	---	
Acetophenone	98-86-2	n	V	TCL	780	RSL	190	RSL	---	---	---	---	---	---	---	
Acetylaminofluorene, 2-	53-96-3	c			0.14	RSL	0.016	RSL	---	---	---	---	---	---	---	
Acrolein	107-02-8	n	V		0.014	RSL	0.0042	RSL	---	0.069	---	3.0=	---	0.55	---	
Acrylamide	79-06-1	c			0.24	RSL	0.05	RSL	---	---	---	---	---	---	---	
Acrylic Acid	79-10-7	n	V		9.9	RSL	0.21	RSL	---	3.3	---	---	---	---	---	
Acrylonitrile	107-13-1	c	V		0.25	RSL	0.052	RSL	---	1.4	---	---	---	581	1000	
Adiponitrile	111-69-3	n			17700	Csat	---	---	---	---	---	---	---	---	---	
Alachlor	15972-60-8	c			9.7	RSL	1.1	RSL	---	---	---	---	---	---	---	
Aldicarb	116-06-3	n			6.3	RSL	2	RSL	---	---	---	---	---	---	---	
Aldicarb Sulfone	1646-88-4	n			6.3	RSL	2	RSL	---	---	---	---	---	---	---	
Aldrin	309-00-2	c	V	TCL	0.039	RSL	0.00092	RSL	---	0.019	0.002	3	---	0.13	---	
Allyl Alcohol	107-18-6	n	V		0.35	RSL	0.021	RSL	---	0.33	---	---	---	---	---	
Allyl Chloride	107-05-1	n	V		0.17	RSL	0.21	RSL	---	3.3	---	---	---	---	---	
Aluminum	7429-90-5	n		TAL	51200	BTV	2000	RSL	---	---	---	87	---	---	---	
Aluminum Phosphide	20859-73-8	n			3.1	RSL	0.8	RSL	---	---	---	---	---	---	---	
Ametryn	834-12-8	n			57	RSL	15	RSL	---	---	---	---	---	---	---	
Aminobiphenyl, 4-	92-67-1	c			0.026	RSL	0.003	RSL	---	---	---	---	---	---	---	
Aminophenol, m-	591-27-5	n			510	RSL	160	RSL	---	---	---	---	---	---	---	
Aminophenol, p-	123-30-8	n			130	RSL	40	RSL	---	---	---	---	---	---	---	
Amitraz	33089-61-1	n			16	RSL	0.82	RSL	---	---	---	---	---	---	---	
Ammonium Sulfamate	7773-06-0	n			1600	RSL	400	RSL	---	---	---	---	---	---	---	
Amyl Alcohol, tert-	75-85-4	n	V		8.2	RSL	0.63	RSL	---	10	---	---	---	---	---	
Aniline	62-53-3	n			44	RSL	13	RSL	---	---	---	2.2	---	---	---	
Anthraquinone, 9,10-	84-65-1	n			13	RSL	1.4	RSL	---	---	---	---	---	---	---	
Antimony (metallic)	7440-36-0	n		TAL	3.1	RSL	0.78	RSL	---	---	2	30	---	500	5	
Antimony Pentoxide	1314-60-9	n			3.9	RSL	0.97	RSL	---	---	---	---	---	---	---	
Antimony Tetroxide	1332-81-6	n			3.1	RSL	0.78	RSL	---	---	---	---	---	---	---	
Antimony Trioxide	1309-64-4	n			28000	RSL	---	---	---	---	---	---	---	---	---	
Arsenic, Inorganic	7440-38-2	c		TAL	11	BTV	0.052	RSL	---	---	9.8	5	7.24	12.5	10	
Arsine	7784-42-1	n			0.027	RSL	0.007	RSL	---	---	---	---	---	---	---	
Asulam	3337-71-1	n			320	RSL	100	RSL	---	---	---	---	---	---	---	
Atrazine	1912-24-9	c		TCL	2.4	RSL	0.3	RSL	---	---	0.00662	1.8	---	---	---	
Auramine	492-80-8	c			0.62	RSL	0.067	RSL	---	---	---	---	---	---	---	

Note: RSL is EPA's Regional Screening Level from May 2016 (with TR = 1E-06 and THQ = 1) found at <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016>.

DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Avermectin B1	65195-55-3	n			2.5	RSL	0.8	RSL	---	---	---	---	---	---	---
Azinphos-methyl	86-50-0	n			19	RSL	5.6	RSL	---	---	0.0000505	0.01	0.0000505	0.01	---
Azobenzene	103-33-3	c	V		5.6	RSL	0.12	RSL	---	3	---	---	---	---	---
Azodicarbonamide	123-77-3	n			860	RSL	2000	RSL	---	---	---	---	---	---	---
Barium	7440-39-3	n		TAL	1500	RSL	380	RSL	---	---	---	4	---	---	283
Barium Chromate	10294-40-3	c			0.3	RSL	0.041	RSL	---	---	---	---	---	---	---
Benfluralin	1861-40-1	n	V		2300	RSL	170	RSL	---	---	---	---	---	---	---
Benomyl	17804-35-2	n			320	RSL	97	RSL	---	---	---	---	---	---	---
Bensulfuron methyl	83055-99-6	n			1300	RSL	390	RSL	---	---	---	---	---	---	---
Bentazon	25057-89-0	n			190	RSL	57	RSL	---	---	---	---	---	---	---
Benzaldehyde	100-52-7	c	V	TCL	170	RSL	19	RSL	---	---	---	---	---	---	---
Benzene	71-43-2	c	V	TCL	1.2	RSL	0.46	RSL	---	12	---	370	0.137	110	---
Benzenediamine-2-methyl sulfate, 1,4-	6369-59-1	n			1.9	RSL	0.6	RSL	---	---	---	---	---	---	---
Benzenethiol	108-98-5	n	V		7.8	RSL	1.7	RSL	---	---	---	---	---	---	---
Benzidine	92-87-5	c			0.00053	RSL	0.00011	RSL	---	---	---	3.9	---	---	---
Benzoic Acid	65-85-0	n			25000	RSL	7500	RSL	---	---	0.65	42	---	---	---
Benzotrichloride	98-07-7	c	V		0.053	RSL	0.003	RSL	---	---	---	---	---	---	---
Benzyl Alcohol	100-51-6	n			630	RSL	200	RSL	---	---	---	8.6	---	---	---
Benzyl Chloride	100-44-7	c	V		1.1	RSL	0.089	RSL	---	1.9	---	---	---	---	---
Beryllium and compounds	7440-41-7	n		TAL	16	RSL	2.5	RSL	---	---	---	0.66	---	---	10
Bifenox	42576-02-3	n			57	RSL	10	RSL	---	---	---	---	---	---	---
Biphenthrin	82657-04-3	n			95	RSL	30	RSL	---	---	---	---	---	---	---
Biphenyl, 1,1'-	92-52-4	n	V	TCL	4.7	RSL	0.083	RSL	---	1.4	1.22	14	---	---	60
Bis(2-chloro-1-methylethyl) ether	108-60-1	n	V	TCL	310	RSL	71	RSL	---	---	---	---	---	---	---
Bis(2-chloroethoxy)methane	111-91-1	n		TCL	19	RSL	5.9	RSL	---	---	---	---	---	---	---
Bis(2-chloroethyl)ether	111-44-4	c	V	TCL	0.23	RSL	0.014	RSL	---	0.28	---	---	---	---	---
Bis(chloromethyl)ether	542-88-1	c	V		0.000083	RSL	0.000072	RSL	---	0.0015	---	---	---	---	---
Bisphenol A	80-05-7	n			320	RSL	77	RSL	---	---	---	---	---	---	---
Boron And Borates Only	7440-42-8	n			1600	RSL	400	RSL	---	---	---	1.6	---	1000	0.5
Boron Trichloride	10294-34-5	n	V		16000	RSL	4.2	RSL	2.7	69	---	---	---	---	---
Boron Trifluoride	7637-07-2	n	V		310	RSL	2.6	RSL	---	46	---	---	---	---	---
Bromate	15541-45-4	c			0.99	RSL	0.11	RSL	---	---	---	---	---	---	---
Bromo-2-chloroethane, 1-	107-04-0	c	V		0.026	RSL	0.0074	RSL	---	0.16	---	---	---	---	---
Bromobenzene	108-86-1	n	V		29	RSL	6.2	RSL	---	210	---	---	---	---	---
Bromochloromethane	74-97-5	n	V	TCL	15	RSL	8.3	RSL	---	140	---	---	---	---	---
Bromodichloromethane	75-27-4	c	V	TCL	0.29	RSL	0.13	RSL	---	2.5	---	---	---	---	---
Bromoform	75-25-2	c	V	TCL	19	RSL	3.3	RSL	---	86	0.654	320	1.31	640	---
Bromomethane	74-83-9	n	V	TCL	0.68	RSL	0.75	RSL	---	17	---	---	---	120	---
Bromophos	2104-96-3	n	V		39	RSL	3.5	RSL	---	---	---	---	---	---	---
Bromoxynil	1689-84-5	n			130	RSL	33	RSL	---	---	---	---	---	---	---

Note: RSL is EPA's Regional Screening Level from May 2016 (with TR = 1E-06 and THQ = 1) found at <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016>.

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Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Bromoxynil Octanoate	1689-99-2	n	V		160	RSL	14	RSL	---	---	---	---	---	---	---
Butadiene, 1,3-	106-99-0	c	V		0.058	RSL	0.018	RSL	---	3.1	---	---	---	---	---
Butanol, N-	71-36-3	n	V		780	RSL	200	RSL	---	---	---	---	---	---	---
Butyl alcohol, sec-	78-92-2	n	V		13000	RSL	2400	RSL	---	100000	---	---	---	---	---
Butylate	2008-41-5	n	V		390	RSL	46	RSL	---	---	---	---	---	---	---
Butylated hydroxyanisole	25013-16-5	c			2700	RSL	150	RSL	---	---	---	---	---	---	---
Butylated hydroxytoluene	128-37-0	c			150	RSL	3.4	RSL	---	---	---	---	---	---	---
Butylbenzene, n-	104-51-8	n	V		390	RSL	100	RSL	---	---	---	---	---	---	---
Butylbenzene, sec-	135-98-8	n	V		780	RSL	200	RSL	---	---	---	---	---	---	---
Butylbenzene, tert-	98-06-6	n	V		780	RSL	69	RSL	---	---	---	---	---	---	---
Cacodylic Acid	75-60-5	n			130	RSL	40	RSL	---	---	---	---	---	---	---
Cadmium	7440-43-9	n		TAL	7.1	RSL	0.92	RSL	---	---	0.99	0.25	0.68	0.12	3
Calcium Chromate	13765-19-0	c			0.3	RSL	0.041	RSL	---	---	---	---	---	---	---
Caprolactam	105-60-2	n		TCL	3100	RSL	990	RSL	---	---	---	---	---	---	---
Captafol	2425-06-1	c			3.6	RSL	0.4	RSL	---	---	---	---	---	---	---
Captan	133-06-2	c			240	RSL	31	RSL	---	---	---	---	---	---	---
Carbaryl	63-25-2	n			630	RSL	180	RSL	---	---	0.000418	0.2	0.000669	0.32	---
Carbofuran	1563-66-2	n			32	RSL	9.4	RSL	---	---	0.00344	1.8	---	---	---
Carbon Disulfide	75-15-0	n	V	TCL	77	RSL	81	RSL	---	2400	0.000851	0.92	---	---	---
Carbon Tetrachloride	56-23-5	c	V	TCL	0.65	RSL	0.46	RSL	0.43	16	0.0642	13.3	7.24	1500	1000
Carbonyl Sulfide	463-58-1	n	V		6.7	RSL	21	RSL	---	330	---	---	---	---	---
Carbosulfan	55285-14-8	n			63	RSL	5.1	RSL	---	---	---	---	---	---	---
Carboxin	5234-68-4	n			630	RSL	190	RSL	---	---	---	---	---	---	---
Ceric oxide	1306-38-3	n			100000	MAX	---	---	---	---	---	---	---	---	---
Chloral Hydrate	302-17-0	n	V		780	RSL	200	RSL	---	---	---	---	---	---	---
Chloramben	133-90-4	n			95	RSL	29	RSL	---	---	---	---	---	---	---
Chloranil	118-75-2	c			1.3	RSL	0.18	RSL	---	---	---	---	---	---	---
Chlordane	12789-03-6	c	V		1.7	RSL	0.02	RSL	---	0.92	---	0.0043=	---	0.004=	---
Chlordecone (Kepone)	143-50-0	c			0.054	RSL	0.0035	RSL	---	---	---	---	---	---	---
Chlorfenvinphos	470-90-6	n			4.4	RSL	1.1	RSL	---	---	---	---	---	---	---
Chlorimuron, Ethyl-	90982-32-4	n			130	RSL	39	RSL	---	---	---	---	---	---	---
Chlorine	7782-50-5	n	V		0.018	RSL	0.03	RSL	---	0.5	---	11.0	---	7.5	---
Chlorine Dioxide	10049-04-4	n	V		230	RSL	0.042	RSL	---	0.69	---	---	---	---	---
Chlorite (Sodium Salt)	7758-19-2	n			230	RSL	60	RSL	---	---	---	---	---	---	---
Chloro-1,1-difluoroethane, 1-	75-68-3	n	V		5400	RSL	10000	RSL	---	170000	---	---	---	---	---
Chloro-1,3-butadiene, 2-	126-99-8	c	V		0.01	RSL	0.019	RSL	0.0042	0.31	---	---	---	---	---
Chloro-2-methylaniline HCl, 4-	3165-93-3	c			1.2	RSL	0.17	RSL	---	---	---	---	---	---	---
Chloro-2-methylaniline, 4-	95-69-2	c			5.4	RSL	0.7	RSL	---	---	---	---	---	---	---
Chloroacetaldehyde, 2-	107-20-0	c	V		2.6	RSL	0.29	RSL	---	---	---	---	---	---	---
Chloroacetic Acid	79-11-8	n			---		---		---	---	---	---	---	---	---

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DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Chloroacetophenone, 2-	532-27-4	n			4300	RSL	---		---	---	---	---	---	---	---
Chloroaniline, p-	106-47-8	c		TCL	2.7	RSL	0.37	RSL	---	---	---	232	---	---	30
Chlorobenzene	108-90-7	n	V	TCL	28	RSL	7.8	RSL	---	170	0.00842	1.3	0.162	25	40
Chlorobenzilate	510-15-6	c			4.9	RSL	0.31	RSL	---	---	1.45	7.16	---	---	---
Chlorobenzoic Acid, p-	74-11-3	n			190	RSL	51	RSL	---	---	---	---	---	---	---
Chlorobenzotrifluoride, 4-	98-56-6	n	V		21	RSL	3.5	RSL	---	1000	---	---	---	---	---
Chlorobutane, 1-	109-69-3	n	V		310	RSL	64	RSL	---	---	---	---	---	---	---
Chlorodifluoromethane	75-45-6	n	V		4900	RSL	10000	RSL	---	170000	---	---	---	---	---
Chloroethanol, 2-	107-07-3	n	V		160	RSL	40	RSL	---	---	---	---	---	---	---
Chloroform	67-66-3	c	V	TCL	0.32	RSL	0.22	RSL	---	4	---	1.8	---	815	---
Chloromethane	74-87-3	n	V	TCL	11	RSL	19	RSL	---	310	---	---	---	2700	---
Chloromethyl Methyl Ether	107-30-2	c	V		0.02	RSL	0.0065	RSL	---	0.14	---	---	---	---	---
Chloronitrobenzene, o-	88-73-3	c			1.8	RSL	0.24	RSL	---	---	---	---	---	---	---
Chloronitrobenzene, p-	100-00-5	n			4.4	RSL	1.2	RSL	---	---	---	---	---	---	---
Chlorophenol, 2-	95-57-8	n	V	TCL	39	RSL	9.1	RSL	---	---	0.0312	24	0.344	265	10
Chloropicrin	76-06-2	n	V		0.2	RSL	0.083	RSL	---	1.4	---	---	---	---	---
Chlorothalonil	1897-45-6	n			95	RSL	22	RSL	---	---	---	---	---	---	---
Chlorotoluene, o-	95-49-8	n	V		160	RSL	24	RSL	---	---	---	---	---	---	---
Chlorotoluene, p-	106-43-4	n	V		160	RSL	25	RSL	---	---	---	---	---	---	---
Chlorozotocin	54749-90-5	c			0.0023	RSL	0.00032	RSL	---	---	---	---	---	---	---
Chlorpropham	101-21-3	n			1300	RSL	280	RSL	---	---	---	---	---	---	---
Chlorpyrifos	2921-88-2	n			6.3	RSL	0.84	RSL	---	---	0.00519	0.0035	0.0083	0.0056	---
Chlorpyrifos Methyl	5598-13-0	n			63	RSL	12	RSL	---	---	---	---	---	---	---
Chlorsulfuron	64902-72-3	n			320	RSL	99	RSL	---	---	---	---	---	---	---
Chlorthal-dimethyl	1861-32-1	n			63	RSL	12	RSL	---	---	---	---	---	---	---
Chlorthiophos	60238-56-4	n			5.1	RSL	0.28	RSL	---	---	---	---	---	---	---
Chromium(III), Insoluble Salts	16065-83-1	n			12000	RSL	2200	RSL	---	---	---	74	---	56	0.4
Chromium(VI)	18540-29-9	c			0.3	RSL	0.035	RSL	---	---	---	11	---	1.5	---
Chromium, Total	7440-47-3			TAL	214	BTV	10	PQL	---	---	43.4	85	52.3	57.5	0.4
Clofentezine	74115-24-5	n			82	RSL	23	RSL	---	---	---	---	---	---	---
Cobalt	7440-48-4	n		TAL	34	BTV	0.6	RSL	---	---	50	23	---	---	20
Copper	7440-50-8	n		TAL	310	RSL	80	RSL	---	---	31.6	9	18.7	3.1	50
Cresol, m-	108-39-4	n			320	RSL	93	RSL	---	---	---	---	---	---	---
Cresol, o-	95-48-7	n		TCL	320	RSL	93	RSL	---	---	---	13	---	1020	---
Cresol, p-	106-44-5	n		TCL	630	RSL	190	RSL	---	---	0.67	543	---	---	---
Cresol, p-chloro-m-	59-50-7	n		TCL	630	RSL	140	RSL	---	---	---	---	---	---	---
Cresols	1319-77-3	n			630	RSL	150	RSL	---	---	---	---	---	---	---
Crotonaldehyde, trans-	123-73-9	c	V		0.37	RSL	0.04	RSL	---	---	---	---	---	---	---
Cumene	98-82-8	n	V	TCL	190	RSL	45	RSL	---	1400	0.086	2.6	---	---	---
Cupferron	135-20-6	c			2.5	RSL	0.35	RSL	---	---	---	---	---	---	---

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Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Cyanazine	21725-46-2	c			0.65	RSL	0.088	RSL	---	---	---	---	---	---	---
Cyanides															
~Calcium Cyanide	592-01-8	n			7.8	RSL	2	RSL	---	---	---	---	---	---	---
~Copper Cyanide	544-92-3	n			39	RSL	10	RSL	---	---	---	---	---	---	---
~Cyanide (CN-)	57-12-5	n	V	TAL	2.3	RSL	0.15	RSL	---	2.7	0.1	5	---	1	---
~Cyanogen	460-19-5	n	V		7.8	RSL	2	RSL	---	---	---	---	---	---	---
~Cyanogen Bromide	506-68-3	n	V		700	RSL	180	RSL	---	---	---	---	---	---	---
~Cyanogen Chloride	506-77-4	n	V		390	RSL	100	RSL	---	---	---	---	---	---	---
~Hydrogen Cyanide	74-90-8	n	V		2.3	RSL	0.15	RSL	---	2.7	---	---	---	---	---
~Potassium Cyanide	151-50-8	n			16	RSL	4	RSL	---	---	---	---	---	---	---
~Potassium Silver Cyanide	506-61-6	n			39	RSL	8.2	RSL	---	---	---	---	---	---	---
~Silver Cyanide	506-64-9	n			780	RSL	180	RSL	---	---	---	---	---	---	---
~Sodium Cyanide	143-33-9	n			7.8	RSL	2	RSL	---	---	---	---	---	---	---
~Thiocyanates	Thiocyanates	n			1.6	RSL	0.4	RSL	---	---	---	---	---	---	---
~Thiocyanic Acid	463-56-9	n	V		1.6	RSL	0.4	RSL	---	---	---	---	---	---	---
~Zinc Cyanide	557-21-1	n			390	RSL	100	RSL	---	---	---	---	---	---	---
Cyclohexane	110-82-7	n	V	TCL	650	RSL	1300	RSL	---	21000	---	---	---	---	---
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	87-84-3	c			24	RSL	2.4	RSL	---	---	---	---	---	---	---
Cyclohexanone	108-94-1	n	V		5110	Csat	140	RSL	---	2400	---	---	---	---	---
Cyclohexene	110-83-8	n	V		31	RSL	7	RSL	---	3300	---	---	---	---	---
Cyclohexylamine	108-91-8	n	V		1600	RSL	380	RSL	---	---	---	---	---	---	---
Cyfluthrin	68359-37-5	n			160	RSL	12	RSL	---	---	---	---	---	---	---
Cyhalothrin	68085-85-8	n			32	RSL	10	RSL	---	---	---	---	---	---	---
Cypermethrin	52315-07-8	n			63	RSL	20	RSL	---	---	---	---	---	---	---
Cyromazine	66215-27-8	n			47	RSL	15	RSL	---	---	---	---	---	---	---
DDD	72-54-8	c		TCL	2.3	RSL	0.032	RSL	---	---	0.00488	0.001=	0.00122	0.001=	---
DDE, p,p'-	72-55-9	c	V	TCL	2	RSL	0.046	RSL	---	0.96	0.00316	0.001=	0.00207	0.001=	---
DDT	50-29-3	c		TCL	1.9	RSL	0.23	RSL	---	---	---	0.0005	0.00119	0.0065	---
Dalapon	75-99-0	n			190	RSL	60	RSL	---	---	---	---	---	---	---
Daminozide	1596-84-5	c			30	RSL	4.3	RSL	---	---	---	---	---	---	---
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	1163-19-5	n			44	RSL	14	RSL	---	---	---	---	---	---	---
Demeton	8065-48-3	n			0.25	RSL	0.042	RSL	---	---	---	0.1	---	0.1	---
Di(2-ethylhexyl)adipate	103-23-1	c			450	RSL	65	RSL	---	---	---	---	---	---	---
Diallate	2303-16-4	c			8.9	RSL	0.54	RSL	---	---	---	---	---	---	---
Diazinon	333-41-5	n			4.4	RSL	1	RSL	---	---	0.00239	0.043	---	0.82=	---
Dibenzothiophene	132-65-0	n	V		78	RSL	6.5	RSL	---	---	---	---	---	---	---
Dibromo-3-chloropropane, 1,2-	96-12-8	c	V	TCL	0.0053	RSL	0.00033	RSL	---	0.0056	---	---	---	---	---
Dibromobenzene, 1,3-	108-36-1	n	V		3.1	RSL	0.53	RSL	---	---	---	---	---	---	---
Dibromobenzene, 1,4-	106-37-6	n	V		78	RSL	13	RSL	---	---	---	---	---	---	---

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Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Dibromochloromethane	124-48-1	c	V	TCL	8.3	RSL	0.87	RSL	---	---	---	---	---	---	---
Dibromoethane, 1,2-	106-93-4	c	V	TCL	0.036	RSL	0.0075	RSL	---	0.16	---	---	---	---	---
Dibromomethane (Methylene Bromide)	74-95-3	n	V		2.4	RSL	0.83	RSL	---	14	---	---	---	---	---
Dibutyltin Compounds	Dibutyltin	n			1.9	RSL	0.6	RSL	---	---	---	---	---	---	---
Dicamba	1918-00-9	n			190	RSL	57	RSL	---	---	---	---	---	---	---
Dichloro-2-butene, 1,4-	764-41-0	c	V		0.0021	RSL	0.0013	RSL	---	0.022	---	---	---	---	---
Dichloro-2-butene, cis-1,4-	1476-11-5	c	V		0.0074	RSL	0.0013	RSL	---	0.022	---	---	---	---	---
Dichloro-2-butene, trans-1,4-	110-57-6	c	V		0.0074	RSL	0.0013	RSL	---	0.022	---	---	---	---	---
Dichloroacetic Acid	79-43-6	c			11	RSL	1.5	RSL	---	---	---	---	---	---	---
Dichlorobenzene, 1,2-	95-50-1	n	V	TCL	180	RSL	30	RSL	---	690	0.0165	0.7	0.989	42	---
Dichlorobenzene, 1,4-	106-46-7	c	V	TCL	2.6	RSL	0.48	RSL	---	8.6	0.599	26	0.46	19.9	20
Dichlorobenzidine, 3,3'-	91-94-1	c		TCL	1.2	RSL	0.13	RSL	---	---	0.127	4.5	2.06	73	---
Dichlorobenzophenone, 4,4'-	90-98-2	n			57	RSL	7.8	RSL	---	---	---	---	---	---	---
Dichlorodifluoromethane	75-71-8	n	V	TCL	8.7	RSL	20	RSL	0.75	330	---	---	---	---	---
Dichloroethane, 1,1-	75-34-3	c	V	TCL	3.6	RSL	2.8	RSL	---	59	---	47	---	---	---
Dichloroethane, 1,2-	107-06-2	c	V	TCL	0.46	RSL	0.17	RSL	---	3.6	---	100	---	1130	---
Dichloroethylene, 1,1-	75-35-4	n	V	TCL	23	RSL	7	MCL	---	690	0.031	25	2.78	2240	---
Dichloroethylene, 1,2-cis-	156-59-2	n	V	TCL	16	RSL	3.6	RSL	---	---	---	---	---	---	---
Dichloroethylene, 1,2-trans-	156-60-5	n	V	TCL	160	RSL	36	RSL	---	---	1.05	970	---	---	---
Dichlorophenol, 2,4-	120-83-2	n		TCL	19	RSL	4.6	RSL	---	---	0.117	11	---	---	---
Dichlorophenoxy Acetic Acid, 2,4-	94-75-7	n			70	RSL	17	RSL	---	---	---	---	---	---	---
Dichlorophenoxy)butyric Acid, 4-(2,4-	94-82-6	n			51	RSL	12	RSL	---	---	---	---	---	---	---
Dichloropropane, 1,2-	78-87-5	c	V	TCL	1	RSL	0.44	RSL	---	9.2	---	---	---	2400	700
Dichloropropane, 1,3-	142-28-9	n	V		160	RSL	37	RSL	---	---	---	---	---	---	---
Dichloropropanol, 2,3-	616-23-9	n			19	RSL	5.9	RSL	---	---	---	---	---	---	---
Dichloropropene, 1,3-	542-75-6	c	V		1.8	RSL	0.47	RSL	---	23	0.0000509	0.055	0.00731	7.9	---
Dichlorvos	62-73-7	c			1.9	RSL	0.26	RSL	---	---	---	---	---	---	---
Dicrotophos	141-66-2	n			0.63	RSL	0.2	RSL	---	---	---	---	---	---	---
Dicyclopentadiene	77-73-6	n	V		0.13	RSL	0.063	RSL	---	1	---	---	---	---	---
Dieldrin	60-57-1	c		TCL	0.034	RSL	0.0018	RSL	---	---	0.0019	0.056	0.00072	0.0019=	---
Diethanolamine	111-42-2	n			13	RSL	4	RSL	---	---	---	---	---	---	---
Diethylene Glycol Monobutyl Ether	112-34-5	n			190	RSL	60	RSL	---	---	---	---	---	---	---
Diethylene Glycol Monoethyl Ether	111-90-0	n			380	RSL	120	RSL	---	---	---	---	---	---	---
Diethylformamide	617-84-5	n	V		7.8	RSL	2	RSL	---	---	---	---	---	---	---
Diethylstilbestrol	56-53-1	c			0.0016	RSL	0.000051	RSL	---	---	---	---	---	---	---
Difenzoquat	43222-48-6	n			510	RSL	160	RSL	---	---	---	---	---	---	---
Diflubenzuron	35367-38-5	n			130	RSL	29	RSL	---	---	---	---	---	---	---
Difluoroethane, 1,1-	75-37-6	n	V		4800	RSL	8300	RSL	---	140000	---	---	---	---	---
Dihydrosafrole	94-58-6	c	V		9.9	RSL	0.3	RSL	0.033	7.3	---	---	---	---	---
Diisopropyl Ether	108-20-3	n	V		220	RSL	150	RSL	---	2400	---	---	---	---	---

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Diisopropyl Methylphosphonate	1445-75-6	n	V		630	RSL	160	RSL	---	---	---	---	---	---	---
Dimethipin	55290-64-7	n			130	RSL	40	RSL	---	---	---	---	---	---	---
Dimethoate	60-51-5	n			1.3	RSL	0.4	RSL	---	---	---	6.2	---	---	---
Dimethoxybenzidine, 3,3'-	119-90-4	c			0.34	RSL	0.047	RSL	---	---	---	---	---	---	---
Dimethyl methylphosphonate	756-79-6	c			320	RSL	46	RSL	---	---	---	---	---	---	---
Dimethylamino azobenzene [p-]	60-11-7	c			0.12	RSL	0.005	RSL	---	---	---	---	---	---	---
Dimethylaniline HCl, 2,4-	21436-96-4	c			0.94	RSL	0.13	RSL	---	---	---	---	---	---	---
Dimethylaniline, 2,4-	95-68-1	c			2.7	RSL	0.37	RSL	---	---	---	---	---	---	---
Dimethylaniline, N,N-	121-69-7	n	V		16	RSL	3.5	RSL	---	---	---	---	---	---	---
Dimethylbenzidine, 3,3'-	119-93-7	c			0.049	RSL	0.0065	RSL	---	---	---	---	---	---	---
Dimethylformamide	68-12-2	n	V		260	RSL	6.1	RSL	---	100	---	---	---	---	---
Dimethylhydrazine, 1,1-	57-14-7	n	V		0.0057	RSL	0.00042	RSL	---	0.0069	---	---	---	---	---
Dimethylhydrazine, 1,2-	540-73-8	c	V		0.00088	RSL	0.000028	RSL	---	0.00059	---	---	---	---	---
Dimethylphenol, 2,4-	105-67-9	n		TCL	130	RSL	36	RSL	---	---	0.029	---	---	---	---
Dimethylphenol, 2,6-	576-26-1	n			3.8	RSL	1.1	RSL	---	---	---	---	---	---	---
Dimethylphenol, 3,4-	95-65-8	n			6.3	RSL	1.8	RSL	---	---	---	---	---	---	---
Dimethylvinylchloride	513-37-1	c	V		1.1	RSL	0.33	RSL	0.068	7.3	---	---	---	---	---
Dinitro-o-cresol, 4,6-	534-52-1	n		TCL	0.51	RSL	0.15	RSL	---	---	---	---	---	---	---
Dinitro-o-cyclohexyl Phenol, 4,6-	131-89-5	n			13	RSL	2.3	RSL	---	---	---	---	---	---	---
Dinitrobenzene, 1,2-	528-29-0	n			0.63	RSL	0.19	RSL	---	---	---	---	---	---	---
Dinitrobenzene, 1,3-	99-65-0	n			0.63	RSL	0.2	RSL	---	---	---	---	---	---	---
Dinitrobenzene, 1,4-	100-25-4	n			0.63	RSL	0.2	RSL	---	---	---	---	---	48.5	---
Dinitrophenol, 2,4-	51-28-5	n		TCL	13	RSL	3.9	RSL	---	---	---	---	---	48.5	---
Dinitrotoluene Mixture, 2,4/2,6-	DNT-Mix	c			0.8	RSL	0.11	RSL	---	---	---	---	---	---	---
Dinitrotoluene, 2,4-	121-14-2	c		TCL	1.7	RSL	0.24	RSL	---	---	0.0416	44	---	---	20
Dinitrotoluene, 2,6-	606-20-2	c		TCL	0.36	RSL	0.049	RSL	---	---	---	81	---	---	---
Dinitrotoluene, 2-Amino-4,6-	35572-78-2	n			15	RSL	3.9	RSL	---	---	---	1480	---	---	---
Dinitrotoluene, 4-Amino-2,6-	19406-51-0	n			15	RSL	3.9	RSL	---	---	---	---	---	---	---
Dinitrotoluene, Technical grade	25321-14-6	c			1.2	RSL	0.1	RSL	---	---	---	---	---	---	---
Dinoseb	88-85-7	n			6.3	RSL	1.5	RSL	---	---	0.000611	0.05	---	---	---
Dioxane, 1,4-	123-91-1	c	V	TCL	5.3	RSL	0.46	RSL	---	18	---	---	---	---	---
Dioxins															
~Hexachlorodibenzo-p-dioxin, Mixture	HXCDD	c			0.0001	RSL	0.000013	RSL	---	---	---	---	---	---	---
~TCDD, 2,3,7,8-	1746-01-6	c	V		0.0000048	RSL	1.2E-07	RSL	---	2.4E-06	0.00000085	3.1E-09	---	---	3.E-06
Diphenamid	957-51-7	n			190	RSL	53	RSL	---	---	---	---	---	---	---
Diphenyl Sulfone	127-63-9	n			5.1	RSL	1.5	RSL	---	---	---	---	---	---	---
Diphenylamine	122-39-4	n			160	RSL	31	RSL	---	---	---	---	---	---	---
Diphenylhydrazine, 1,2-	122-66-7	c			0.68	RSL	0.078	RSL	---	---	---	---	---	---	---
Diquat	85-00-7	n			14	RSL	4.4	RSL	---	---	---	---	---	---	---
Direct Black 38	1937-37-7	c			0.076	RSL	0.011	RSL	---	---	---	---	---	---	---

Note: RSL is EPA's Regional Screening Level from May 2016 (with TR = 1E-06 and THQ = 1) found at <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016>.

DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Direct Blue 6	2602-46-2	c			0.073	RSL	0.011	RSL	---	---	---	---	---	---	---
Direct Brown 95	16071-86-6	c			0.081	RSL	0.012	RSL	---	---	---	---	---	---	---
Disulfoton	298-04-4	n			0.25	RSL	0.05	RSL	---	---	---	---	---	---	---
Dithiane, 1,4-	505-29-3	n	V		78	RSL	20	RSL	---	---	---	---	---	---	---
Diuron	330-54-1	n			13	RSL	3.6	RSL	---	---	---	---	---	---	---
Dodine	2439-10-3	n			25	RSL	8	RSL	---	---	---	---	---	---	---
EPTC	759-94-4	n	V		200	RSL	38	RSL	---	---	---	---	---	---	---
Endosulfan	115-29-7	n	V		47	RSL	10	RSL	---	---	0.00214	0.02	0.000107	0.001	---
Endothall	145-73-3	n			130	RSL	38	RSL	---	---	---	---	---	---	---
Endrin	72-20-8	n		TCL	1.9	RSL	0.23	RSL	---	---	0.00222	0.036	0.00267	0.0023=	---
Epichlorohydrin	106-89-8	n	V		1.9	RSL	0.2	RSL	---	3.3	---	---	---	---	---
Epoxybutane, 1,2-	106-88-7	n	V		16	RSL	4.2	RSL	---	69	---	---	---	---	---
Ethanol, 2-(2-methoxyethoxy)-	111-77-3	n			250	RSL	80	RSL	---	---	---	---	---	---	---
Ethephon	16672-87-0	n			32	RSL	10	RSL	---	---	---	---	---	---	---
Ethion	563-12-2	n			3.2	RSL	0.43	RSL	---	---	---	---	---	---	---
Ethoxyethanol Acetate, 2-	111-15-9	n	V		260	RSL	12	RSL	---	210	---	---	---	---	---
Ethoxyethanol, 2-	110-80-5	n	V		520	RSL	34	RSL	---	690	---	---	---	---	---
Ethyl Acetate	141-78-6	n	V		62	RSL	14	RSL	---	240	---	---	---	---	---
Ethyl Acrylate	140-88-5	n	V		4.7	RSL	1.4	RSL	---	27	---	---	---	---	---
Ethyl Chloride (Chloroethane)	75-00-3	n	V	TCL	1400	RSL	2100	RSL	---	33000	---	---	---	---	---
Ethyl Ether	60-29-7	n	V		1600	RSL	390	RSL	---	---	---	---	---	---	---
Ethyl Methacrylate	97-63-2	n	V		180	RSL	63	RSL	---	1000	---	---	---	---	---
Ethyl-p-nitrophenyl Phosphonate	2104-64-5	n			0.063	RSL	0.0089	RSL	---	---	---	---	---	---	---
Ethylbenzene	100-41-4	c	V	TCL	5.8	RSL	1.5	RSL	---	36	1.1	90	0.305	25	---
Ethylene Cyanohydrin	109-78-4	n			440	RSL	140	RSL	---	---	---	---	---	---	---
Ethylene Diamine	107-15-3	n	V		700	RSL	180	RSL	---	---	---	---	---	---	---
Ethylene Glycol	107-21-1	n			13000	RSL	4000	RSL	---	---	---	192000	---	---	---
Ethylene Glycol Monobutyl Ether	111-76-2	n			630	RSL	200	RSL	---	---	---	---	---	---	---
Ethylene Oxide	75-21-8	c	V		0.18	RSL	0.051	RSL	---	1.1	---	---	---	---	---
Ethylene Thiourea	96-45-7	n			0.51	RSL	0.16	RSL	---	---	---	---	---	---	---
Ethyleneimine	151-56-4	c	V		0.0027	RSL	0.00024	RSL	---	0.005	---	---	---	---	---
Ethylphthalyl Ethyl Glycolate	84-72-0	n			19000	RSL	5800	RSL	---	---	---	---	---	---	---
Fenamiphos	22224-92-6	n			1.6	RSL	0.44	RSL	---	---	---	---	---	---	---
Fenpropathrin	39515-41-8	n			160	RSL	6.4	RSL	---	---	---	---	---	---	---
Fenvalerate	51630-58-1	n			160	RSL	50	RSL	---	---	---	---	---	---	---
Fluometuron	2164-17-2	n			82	RSL	24	RSL	---	---	---	---	---	---	---
Fluoride	16984-48-8	n			310	RSL	80	RSL	---	---	---	2119.4	---	---	---
Fluorine (Soluble Fluoride)	7782-41-4	n			470	RSL	120	RSL	---	---	---	1080	---	---	200
Fluridone	59756-60-4	n			510	RSL	140	RSL	---	---	---	---	---	---	---
Flurprimidol	56425-91-3	n			130	RSL	34	RSL	---	---	---	---	---	---	---

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DNREC-SIRS Screening Level Table - Effective July 2016

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Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Flusilazole	85509-19-9	n			4.4	RSL	1.1	RSL	---	---	---	---	---	---	---
Flutolanil	66332-96-5	n			380	RSL	95	RSL	---	---	---	---	---	---	---
Fluvalinate	69409-94-5	n			63	RSL	20	RSL	---	---	---	---	---	---	---
Folpet	133-07-3	c			160	RSL	20	RSL	---	---	---	---	---	---	---
Fomesafen	72178-02-0	c			2.9	RSL	0.39	RSL	---	---	---	---	---	---	---
Fonofos	944-22-9	n			13	RSL	2.4	RSL	---	---	---	---	---	---	---
Formaldehyde	50-00-0	n	V		17	RSL	0.43	RSL	---	7.3	---	---	---	---	---
Formic Acid	64-18-6	n	V		2.9	RSL	0.063	RSL	---	1	---	---	---	---	---
Fosetyl-AL	39148-24-8	n			19000	RSL	6000	RSL	---	---	---	---	---	---	---
Furans															
~Dibenzofuran	132-64-9	n	V	TCL	7.3	RSL	0.79	RSL	---	---	0.415	3.7	7.3	65	---
~Furan	110-00-9	n	V		7.3	RSL	1.9	RSL	---	---	---	---	---	---	600
~Tetrahydrofuran	109-99-9	n	V		1800	RSL	340	RSL	---	6900	---	---	---	---	---
Furazolidone	67-45-8	c			0.14	RSL	0.02	RSL	---	---	---	---	---	---	---
Furfural	98-01-1	n	V		21	RSL	3.8	RSL	---	170	---	---	---	---	---
Furium	531-82-8	c			0.36	RSL	0.051	RSL	---	---	---	---	---	---	---
Furmecyclox	60568-05-0	c			18	RSL	1.1	RSL	---	---	---	---	---	---	---
Glufosinate, Ammonium	77182-82-2	n			2.5	RSL	0.8	RSL	---	---	---	---	---	---	---
Glutaraldehyde	111-30-8	n			11000	RSL	---		---	---	---	---	---	---	---
Glycidyl	765-34-4	n	V		2.3	RSL	0.17	RSL	---	3.3	---	---	---	---	---
Glyphosate	1071-83-6	n			630	RSL	200	RSL	---	---	---	---	---	---	---
Guanidine	113-00-8	n	V		78	RSL	20	RSL	---	---	---	---	---	---	---
Guanidine Chloride	50-01-1	n			130	RSL	40	RSL	---	---	---	---	---	---	---
Haloxypop, Methyl	69806-40-2	n			0.32	RSL	0.076	RSL	---	---	---	---	---	---	---
Heptachlor	76-44-8	c	V	TCL	0.13	RSL	0.0014	RSL	---	0.073	0.068	0.0019	---	0.0036=	---
Heptachlor Epoxide	1024-57-3	c	V	TCL	0.07	RSL	0.0014	RSL	---	0.036	0.00247	0.0019	0.0006	---	---
Hexabromobenzene	87-82-1	n	V		16	RSL	4	RSL	---	---	---	---	---	---	---
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	68631-49-2	n			1.3	RSL	0.4	RSL	---	---	---	---	---	---	---
Hexachlorobenzene	118-74-1	c	V	TCL	0.21	RSL	0.0098	RSL	---	0.2	0.02	0.0003	---	---	1000
Hexachlorobutadiene	87-68-3	n	V	TCL	1.2	RSL	0.14	RSL	---	4.3	---	1.3	---	0.3	---
Hexachlorocyclohexane, Alpha-	319-84-6	c		TCL	0.086	RSL	0.0072	RSL	---	---	0.006	0.01	1.36	25	---
Hexachlorocyclohexane, Beta-	319-85-7	c		TCL	0.3	RSL	0.025	RSL	---	---	0.005	0.01	---	0.16=	---
Hexachlorocyclohexane, Gamma- (Lindane)	58-89-9	c		TCL	0.57	RSL	0.042	RSL	---	---	0.00237	0.01	0.00032	0.16=	---
Hexachlorocyclohexane, Technical	608-73-1	c			0.3	RSL	0.025	RSL	---	---	0.003	0.01	---	0.16=	---
Hexachlorocyclopentadiene	77-47-4	n	V	TCL	0.18	RSL	0.041	RSL	0.018	0.69	---	---	0.139	0.07	10
Hexachloroethane	67-72-1	n	V	TCL	1.8	RSL	0.33	RSL	---	8.6	1.027	12	0.804	9.4	---
Hexachlorophene	70-30-4	n			1.9	RSL	0.6	RSL	---	---	---	---	---	---	---
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	121-82-4	c			6.1	RSL	0.7	RSL	---	---	0.013	360	---	---	---
Hexamethylene Diisocyanate, 1,6-	822-06-0	n	V		0.31	RSL	0.0021	RSL	---	0.033	---	---	---	---	---

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Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Hexamethylphosphoramide	680-31-9	n			2.5	RSL	0.8	RSL	---	---	---	---	---	---	---
Hexane, N-	110-54-3	n	V		61	RSL	150	RSL	---	2400	0.0396	0.58	---	---	---
Hexanedioic Acid	124-04-9	n			13000	RSL	4000	RSL	---	---	---	---	---	---	---
Hexanone, 2-	591-78-6	n	V	TCL	20	RSL	3.8	RSL	---	100	---	99	---	---	---
Hexazinone	51235-04-2	n			210	RSL	64	RSL	---	---	---	---	---	---	---
Hexythiazox	78587-05-0	n			160	RSL	11	RSL	---	---	---	---	---	---	---
Hydramethylnon	67485-29-4	n			1.9	RSL	0.59	RSL	---	---	---	---	---	---	---
Hydrazine	302-01-2	c	V		0.23	RSL	0.0011	RSL	---	0.019	---	5	---	---	---
Hydrazine Sulfate	10034-93-2	c			0.23	RSL	0.026	RSL	---	---	---	---	---	---	---
Hydrogen Chloride	7647-01-0	n	V		100000	MAX	4.2	RSL	2.0E-08	69	---	---	---	---	---
Hydrogen Fluoride	7664-39-3	n	V		310	RSL	2.8	RSL	---	50	---	---	---	---	---
Hydrogen Sulfide	7783-06-4	n	V		100000	MAX	0.42	RSL	---	6.9	---	2	---	2	---
Hydroquinone	123-31-9	c			9	RSL	1.3	RSL	---	---	---	2.2	---	---	---
Imazalil	35554-44-0	n			82	RSL	19	RSL	---	---	---	---	---	---	---
Imazaquin	81335-37-7	n			1600	RSL	490	RSL	---	---	---	---	---	---	---
Imazethapyr	81335-77-5	n			1600	RSL	470	RSL	---	---	---	---	---	---	---
Iodine	7553-56-2	n			78	RSL	20	RSL	---	---	---	---	---	---	---
Iprodione	36734-19-7	n			250	RSL	74	RSL	---	---	---	---	---	---	---
Iron	7439-89-6	n		TAL	75000	BTV	1400	RSL	---	---	20000	300	---	---	---
Isobutyl Alcohol	78-83-1	n	V		2300	RSL	590	RSL	---	---	---	---	---	---	---
Isophorone	78-59-1	c		TCL	570	RSL	78	RSL	---	---	---	---	---	129	---
Isopropalin	33820-53-0	n	V		120	RSL	4	RSL	---	---	---	---	---	---	---
Isopropanol	67-63-0	n	V		560	RSL	41	RSL	---	690	---	7.5	---	---	---
Isopropyl Methyl Phosphonic Acid	1832-54-8	n			630	RSL	200	RSL	---	---	---	---	---	---	---
Isoxaben	82558-50-7	n			320	RSL	73	RSL	---	---	---	---	---	---	---
Lactofen	77501-63-4	n			13	RSL	2.5	RSL	---	---	---	---	---	---	---
Lead Compounds															
~Lead Chromate	7758-97-6	c			0.3	RSL	0.041	RSL	---	---	---	---	---	---	---
~Lead Phosphate	7446-27-7	c			82	RSL	9.1	RSL	---	---	---	---	---	---	---
~Lead acetate	301-04-2	c			64	RSL	9.2	RSL	---	---	---	---	---	---	---
~Lead and Compounds	7439-92-1			TAL	400	RSL	5	PQL	---	---	35.8	2.5	30.2	8.1	41
~Lead subacetate	1335-32-6	c			64	RSL	9.2	RSL	---	---	---	---	---	---	---
~Tetraethyl Lead	78-00-2	n	V		0.00078	RSL	0.00013	RSL	---	---	---	---	---	---	---
Lewisite	541-25-3	n	V		0.039	RSL	0.009	RSL	---	---	---	---	---	---	---
Linuron	330-55-2	n			13	RSL	3.3	RSL	---	---	---	---	---	---	---
Lithium	7439-93-2	n			16	RSL	4	RSL	---	---	---	14	---	---	---
MCPA	94-74-6	n			3.2	RSL	0.75	RSL	---	---	---	---	---	---	---
MCPB	94-81-5	n			63	RSL	15	RSL	---	---	---	---	---	---	---
MCPP	93-65-2	n			6.3	RSL	1.6	RSL	---	---	---	---	---	---	---
Malathion	121-75-5	n			130	RSL	39	RSL	---	---	0.000203	0.097	0.00021	0.1	---

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Maleic Anhydride	108-31-6	n			630	RSL	190	RSL	---	---	---	---	---	---	---
Maleic Hydrazide	123-33-1	n			3200	RSL	1000	RSL	---	---	---	---	---	---	---
Malononitrile	109-77-3	n			0.63	RSL	0.2	RSL	---	---	---	---	---	---	---
Mancozeb	8018-01-7	n			190	RSL	54	RSL	---	---	---	---	---	---	---
Maneb	12427-38-2	n			32	RSL	9.8	RSL	---	---	---	---	---	---	---
Manganese	7439-96-5	n		TAL	2100	BTV	43	RSL	---	---	460	120	---	---	---
Mephosfolan	950-10-7	n			0.57	RSL	0.18	RSL	---	---	---	---	---	---	---
Mepiquat Chloride	24307-26-4	n			190	RSL	60	RSL	---	---	---	---	---	---	---
Mercury Compounds															
~Mercuric Chloride (and other Mercury salts)	7487-94-7	n			2.3	RSL	0.57	RSL	---	---	---	---	---	---	---
~Mercury (elemental)	7439-97-6	n	V	TAL	1.1	RSL	0.063	RSL	---	1	0.18	0.026	0.13	0.016	0.0005
~Methyl Mercury	22967-92-6	n			0.78	RSL	0.2	RSL	---	---	---	0.004	---	---	---
~Phenylmercuric Acetate	62-38-4	n			0.51	RSL	0.16	RSL	---	---	---	---	---	---	---
Merphos	150-50-5	n	V		0.23	RSL	0.06	RSL	---	---	---	---	---	---	---
Merphos Oxide	78-48-8	n			0.19	RSL	0.0085	RSL	---	---	---	---	---	---	---
Metalaxyl	57837-19-1	n			380	RSL	120	RSL	---	---	---	---	---	---	---
Methacrylonitrile	126-98-7	n	V		0.75	RSL	0.19	RSL	---	100	---	---	---	---	---
Methamidophos	10265-92-6	n			0.32	RSL	0.1	RSL	---	---	---	---	---	---	---
Methanol	67-56-1	n	V		12000	RSL	2000	RSL	---	69000	---	---	---	---	---
Methidathion	950-37-8	n			6.3	RSL	1.9	RSL	---	---	---	---	---	---	---
Methomyl	16752-77-5	n			160	RSL	50	RSL	---	---	---	---	---	---	---
Methoxy-5-nitroaniline, 2-	99-59-2	c			11	RSL	1.5	RSL	---	---	---	---	---	---	---
Methoxychlor	72-43-5	n		TCL	32	RSL	3.7	RSL	---	---	0.0187	0.019	0.0296	0.03	---
Methoxyethanol Acetate, 2-	110-49-6	n	V		11	RSL	0.21	RSL	---	3.3	---	---	---	---	---
Methoxyethanol, 2-	109-86-4	n	V		33	RSL	2.9	RSL	---	69	---	---	---	---	---
Methyl Acetate	79-20-9	n	V	TCL	7800	RSL	2000	RSL	---	---	---	---	---	---	---
Methyl Acrylate	96-33-3	n	V		15	RSL	4.2	RSL	---	69	---	---	---	---	---
Methyl Ethyl Ketone (2-Butanone)	78-93-3	n	V	TCL	2700	RSL	560	RSL	---	17000	---	14000	---	---	---
Methyl Hydrazine	60-34-4	n	V		0.1	RSL	0.0042	RSL	---	0.069	---	---	---	---	---
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	n	V	TCL	3300	RSL	630	RSL	---	10000	---	170	---	123000	---
Methyl Isocyanate	624-83-9	n	V		0.46	RSL	0.21	RSL	---	3.3	---	---	---	---	---
Methyl Methacrylate	80-62-6	n	V		440	RSL	140	RSL	---	2400	---	2800	---	---	---
Methyl Parathion	298-00-0	n			1.6	RSL	0.45	RSL	---	---	---	---	---	---	---
Methyl Phosphonic Acid	993-13-5	n			380	RSL	120	RSL	---	---	---	---	---	---	---
Methyl Styrene (Mixed Isomers)	25013-15-4	n	V		32	RSL	2.3	RSL	---	140	---	---	---	---	---
Methyl methanesulfonate	66-27-3	c			5.5	RSL	0.79	RSL	---	---	---	---	---	---	---
Methyl tert-Butyl Ether (MTBE)	1634-04-4	c	V	TCL	47	RSL	10	MCL	---	360	---	11070	---	---	---
Methyl-1,4-benzenediamine dihydrochloride, 2-	615-45-2	n			1.9	RSL	0.6	RSL	---	---	---	---	---	---	---

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DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Methyl-5-Nitroaniline, 2-	99-55-8	c			60	RSL	8.2	RSL	---	---	---	---	---	---	---
Methyl-N-nitro-N-nitrosoguanidine, N-	70-25-7	c			0.065	RSL	0.0094	RSL	---	---	---	---	---	---	---
Methylaniline Hydrochloride, 2-	636-21-5	c			4.2	RSL	0.6	RSL	---	---	---	---	---	---	---
Methylarsonic acid	124-58-3	n			63	RSL	20	RSL	---	---	---	---	---	---	---
Methylbenzene,1-4-diamine monohydrochloride, 2-	74612-12-7	n			1.3	RSL	0.4	RSL	---	---	---	---	---	---	---
Methylbenzene-1,4-diamine sulfate, 2-	615-50-9	n			1.9	RSL	0.6	RSL	---	---	---	---	---	---	---
Methylcholanthrene, 3-	56-49-5	c			0.0055	RSL	0.0011	RSL	---	---	---	---	---	---	---
Methylene Chloride	75-09-2	n	V	TCL	35	RSL	5	MCL	---	2100	---	98.1	---	2560	---
Methylene-bis(2-chloroaniline), 4,4'-	101-14-4	c			1.2	RSL	0.16	RSL	---	---	---	---	---	---	---
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	101-61-1	c			12	RSL	0.48	RSL	---	---	---	---	---	---	---
Methylenebisbenzenamine, 4,4'-	101-77-9	c			0.34	RSL	0.047	RSL	---	---	---	---	---	---	---
Methylenediphenyl Diisocyanate	101-68-8	n			3140	Csat	---	---	---	---	---	---	---	---	---
Methylstyrene, Alpha-	98-83-9	n	V		550	RSL	78	RSL	---	---	---	---	---	---	---
Metolachlor	51218-45-2	n			950	RSL	270	RSL	---	---	---	---	---	---	---
Metribuzin	21087-64-9	n			160	RSL	49	RSL	---	---	---	---	---	---	---
Metsulfuron-methyl	74223-64-6	n			1600	RSL	490	RSL	---	---	---	---	---	---	---
Mineral oils	8012-95-1	n	V		23000	RSL	6000	RSL	---	---	---	---	---	---	---
Mirex	2385-85-5	c	V		0.036	RSL	0.00088	RSL	---	0.018	0.007	0.001	---	0.001	---
Molinate	2212-67-1	n			13	RSL	3	RSL	---	---	---	73	---	---	---
Molybdenum	7439-98-7	n			39	RSL	10	RSL	---	---	---	---	---	---	2
Monochloramine	10599-90-3	n			780	RSL	200	RSL	---	---	---	---	---	---	---
Monomethylaniline	100-61-8	n			13	RSL	3.8	RSL	---	---	---	---	---	---	---
Myclobutanil	88671-89-0	n			160	RSL	45	RSL	---	---	---	---	---	---	---
N,N'-Diphenyl-1,4-benzenediamine	74-31-7	n			1.9	RSL	0.36	RSL	---	---	---	---	---	---	---
Naled	300-76-5	n	V		16	RSL	4	RSL	---	---	---	---	---	---	---
Naphtha, High Flash Aromatic (HFAN)	64742-95-6	n	V		230	RSL	15	RSL	---	330	---	---	---	---	---
Naphthylamine, 2-	91-59-8	c			0.3	RSL	0.039	RSL	---	---	---	---	---	---	---
Napropamide	15299-99-7	n			630	RSL	160	RSL	---	---	---	---	---	---	---
Nickel Acetate	373-02-4	n			67	RSL	22	RSL	---	---	---	---	---	---	---
Nickel Carbonate	3333-67-3	n			67	RSL	22	RSL	---	---	---	---	---	---	---
Nickel Carbonyl	13463-39-3	n	V		82	RSL	0.0029	RSL	---	0.05	---	---	---	---	---
Nickel Hydroxide	12054-48-7	n			82	RSL	20	RSL	---	---	---	---	---	---	---
Nickel Oxide	1313-99-1	n			84	RSL	20	RSL	---	---	---	---	---	---	---
Nickel Refinery Dust	Ni-Dust	n			82	RSL	22	RSL	---	---	---	---	---	---	---
Nickel Soluble Salts	7440-02-0	n		TAL	150	RSL	39	RSL	---	---	22.7	52	15.9	8.2	30
Nickel Subulfide	12035-72-2	c			0.41	RSL	0.045	RSL	---	---	---	---	---	---	---
Nickelocene	1271-28-9	n			67	RSL	22	RSL	---	---	---	---	---	---	---
Nitrate	14797-55-8	n			13000	RSL	3200	RSL	---	---	---	---	---	---	---
Nitrite	14797-65-0	n			780	RSL	200	RSL	---	---	---	---	---	---	---

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DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Nitroaniline, 2-	88-74-4	n		TCL	63	RSL	19	RSL	---	---	---	---	---	---	---
Nitroaniline, 4-	100-01-6	n		TCL	25	RSL	3.8	RSL	---	---	---	---	---	---	---
Nitrobenzene	98-95-3	c	V	TCL	5.1	RSL	0.14	RSL	---	2.3	---	---	---	66.8	40
Nitrocellulose	9004-70-0	n			100000	MAX	100000	MAX	---	---	---	---	---	---	---
Nitrofurantoin	67-20-9	n			440	RSL	140	RSL	---	---	---	---	---	---	---
Nitrofurazone	59-87-0	c			0.42	RSL	0.06	RSL	---	---	---	---	---	---	---
Nitroglycerin	55-63-0	n			0.63	RSL	0.2	RSL	---	---	---	138	---	---	---
Nitroguanidine	556-88-7	n			630	RSL	200	RSL	---	---	---	---	---	---	---
Nitromethane	75-52-5	c	V		5.4	RSL	0.64	RSL	---	11	---	---	---	---	---
Nitropropane, 2-	79-46-9	c	V		0.014	RSL	0.0021	RSL	---	0.033	---	---	---	---	---
Nitroso-N-ethylurea, N-	759-73-9	c			0.0045	RSL	0.00092	RSL	---	---	---	---	---	---	---
Nitroso-N-methylurea, N-	684-93-5	c			0.001	RSL	0.00021	RSL	---	---	---	---	---	---	---
Nitroso-di-N-butylamine, N-	924-16-3	c	V		0.099	RSL	0.0027	RSL	---	0.059	---	---	---	---	---
Nitroso-di-N-propylamine, N-	621-64-7	c		TCL	0.078	RSL	0.011	RSL	---	---	---	---	---	120	---
Nitrosodiethanolamine, N-	1116-54-7	c			0.19	RSL	0.028	RSL	---	---	---	---	---	---	---
Nitrosodiethylamine, N-	55-18-5	c			0.00081	RSL	0.00017	RSL	---	---	---	768	---	---	---
Nitrosodimethylamine, N-	62-75-9	c	V		0.002	RSL	0.00011	RSL	---	0.0024	---	---	---	330000	---
Nitrosodiphenylamine, N-	86-30-6	c		TCL	110	RSL	12	RSL	---	---	2.68	210	422	33000	20
Nitrosomethylethylamine, N-	10595-95-6	c	V		0.02	RSL	0.00071	RSL	---	0.015	---	---	---	---	---
Nitrosomorpholine [N-]	59-89-2	c			0.081	RSL	0.012	RSL	---	---	---	---	---	---	---
Nitrosopiperidine [N-]	100-75-4	c			0.058	RSL	0.0082	RSL	---	---	---	---	---	---	---
Nitrosopyrrolidine, N-	930-55-2	c			0.26	RSL	0.037	RSL	---	---	---	---	---	---	---
Nitrotoluene, m-	99-08-1	n			0.63	RSL	0.17	RSL	---	---	---	750	---	---	---
Nitrotoluene, o-	88-72-2	c	V		3.2	RSL	0.31	RSL	---	---	---	---	---	---	---
Nitrotoluene, p-	99-99-0	n			25	RSL	4.3	RSL	---	---	4.06	1900	---	---	---
Nonane, n-	111-84-2	n	V		1.1	RSL	0.53	RSL	0.016	69	---	---	---	---	---
Norflurazon	27314-13-2	n			250	RSL	77	RSL	---	---	---	---	---	---	---
Octabromodiphenyl Ether	32536-52-0	n			19	RSL	6	RSL	---	---	---	---	---	---	---
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (HMX)	2691-41-0	n			390	RSL	100	RSL	---	---	---	150	---	---	---
Octamethylpyrophosphoramidate	152-16-9	n			13	RSL	4	RSL	---	---	---	---	---	---	---
Oryzalin	19044-88-3	n			320	RSL	81	RSL	---	---	---	---	---	---	---
Oxadiazon	19666-30-9	n			32	RSL	4.7	RSL	---	---	---	---	---	---	---
Oxamyl	23135-22-0	n			160	RSL	50	RSL	---	---	---	---	---	---	---
Oxyfluorfen	42874-03-3	n			19	RSL	3.2	RSL	---	---	---	---	---	---	---
Paclobutrazol	76738-62-0	n			82	RSL	23	RSL	---	---	---	---	---	---	---
Paraquat Dichloride	1910-42-5	n			28	RSL	9	RSL	---	---	---	---	---	---	---
Parathion	56-38-2	n			38	RSL	8.6	RSL	---	---	0.000757	0.013	0.0104	0.178	---
Pebulate	1114-71-2	n	V		390	RSL	56	RSL	---	---	---	---	---	---	---
Pendimethalin	40487-42-1	n			250	RSL	18	RSL	---	---	---	---	---	---	---

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Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Pentabromodiphenyl Ether	32534-81-9	n	V		16	RSL	4	RSL	---	---	---	---	---	---	---
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	60348-60-9	n			0.63	RSL	0.2	RSL	---	---	---	---	---	---	---
Pentachlorobenzene	608-93-5	n	V		6.3	RSL	0.32	RSL	---	---	8.89	6	191	129	20
Pentachloroethane	76-01-7	c	V		7.7	RSL	0.65	RSL	---	---	0.826	56.4	---	---	---
Pentachloronitrobenzene	82-68-8	c	V		2.7	RSL	0.12	RSL	---	---	---	---	---	---	---
Pentachlorophenol	87-86-5	c		TCL	1	RSL	0.041	RSL	---	---	0.504	0.5	7.97	7.9	3
Pentaerythritol tetranitrate (PETN)	78-11-5	n			13	RSL	3.9	RSL	---	---	---	85000	---	---	---
Pentane, n-	109-66-0	n	V		81	RSL	210	RSL	2.1	3300	---	---	---	---	---
Perchlorates															
~Ammonium Perchlorate	7790-98-9	n			5.5	RSL	1.4	RSL	---	---	---	---	---	---	---
~Lithium Perchlorate	7791-03-9	n			5.5	RSL	1.4	RSL	---	---	---	---	---	---	---
~Perchlorate and Perchlorate Salts	14797-73-0	n			5.5	RSL	1.4	RSL	---	---	---	---	---	---	---
~Potassium Perchlorate	7778-74-7	n			5.5	RSL	1.4	RSL	---	---	---	---	---	---	---
~Sodium Perchlorate	7601-89-0	n			5.5	RSL	1.4	RSL	---	---	---	---	---	---	---
Perfluorobutane Sulfonate	375-73-5	n	V		160	RSL	38	RSL	---	---	---	---	---	---	---
Perfluorooctane Sulfonate (PFOS)	1763-23-1				6	EPAR4	0.07	HAL	---	---	---	---	---	---	---
Perfluorooctanoic acid (PFOA)	335-67-1				16	EPAR4	0.07	HAL	---	---	---	---	---	---	---
Permethrin	52645-53-1	n			320	RSL	100	RSL	---	---	---	---	---	---	---
Petroleum Hydrocarbons															
~c5 through c8 aliphatic hydrocarbons	C5-C8 aliphatic		V		100	MAG	300	MAG	---	---	---	---	---	---	---
~c9 through c12 aliphatic hydrocarbons	C9-C12 aliphatic		V		1000	MAG	700	MAG	---	---	---	---	---	---	---
~c9 through c18 aliphatic hydrocarbons	C9-C18 aliphatic		V		1000	MAG	700	MAG	---	---	---	---	---	---	---
~c19 through c36 aliphatic hydrocarbons	C19-C36 aliphatic		V		3000	MAG	14000	MAG	---	---	---	---	---	---	---
~c9 through c10 aromatic hydrocarbons	C9-C10 aromatic		V		100	MAG	200	MAG	---	---	---	---	---	---	---
~c11 through c22 aromatic hydrocarbons	C11-C22 aromatic		V		1000	MAG	200	MAG	---	---	---	---	---	---	---
~Diesel Range Organics (DRO)	TPH_DRO		V		1000	DRO	200		---	---	---	---	---	---	---
~Gasoline Range Organics (GRO)	TPH_GRO		V		100	GRO	200		---	---	---	---	---	---	---
Phenacetin	62-44-2	c			250	RSL	34	RSL	---	---	---	---	---	---	---
Phenmedipham	13684-63-4	n			1600	RSL	400	RSL	---	---	---	---	---	---	---
Phenol	108-95-2	n		TCL	1900	RSL	580	RSL	---	---	0.42	4	---	58	30
Phenol, 2-(1-methylethoxy)-, methylcarbamate	114-26-1	n			25	RSL	7.8	RSL	---	---	---	---	---	---	---
Phenothiazine	92-84-2	n			3.2	RSL	0.43	RSL	---	---	---	---	---	---	---
Phenylenediamine, m-	108-45-2	n			38	RSL	12	RSL	---	---	---	---	---	---	---
Phenylenediamine, o-	95-54-5	c			12	RSL	1.6	RSL	---	---	---	---	---	---	---
Phenylenediamine, p-	106-50-3	n			1200	RSL	380	RSL	---	---	---	---	---	---	---
Phenylphenol, 2-	90-43-7	c			280	RSL	30	RSL	---	---	---	---	---	---	---
Phorate	298-02-2	n			1.3	RSL	0.3	RSL	---	---	0.201	3.62	---	---	---
Phosgene	75-44-5	n	V		0.031	RSL	---		---	1	---	---	---	---	---

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Phosmet	732-11-6	n			130	RSL	37	RSL	---	---	---	---	---	---	---
Phosphates, Inorganic															
~Aluminum metaphosphate	13776-88-0	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Ammonium polyphosphate	68333-79-9	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Calcium pyrophosphate	7790-76-3	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Diammonium phosphate	7783-28-0	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Dicalcium phosphate	7757-93-9	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Dimagnesium phosphate	7782-75-4	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Dipotassium phosphate	7758-11-4	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Disodium phosphate	7558-79-4	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Monoaluminum phosphate	13530-50-2	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Monoammonium phosphate	7722-76-1	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Monocalcium phosphate	7758-23-8	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Monomagnesium phosphate	7757-86-0	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Monopotassium phosphate	7778-77-0	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Monosodium phosphate	7558-80-7	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Polyphosphoric acid	8017-16-1	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Potassium triphosphate	13845-36-8	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Sodium acid pyrophosphate	7758-16-9	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Sodium aluminum phosphate (acidic)	7785-88-8	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Sodium aluminum phosphate (anhydrous)	10279-59-1	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Sodium aluminum phosphate (tetrahydrate)	10305-76-7	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Sodium hexametaphosphate	10124-56-8	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Sodium polyphosphate	68915-31-1	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Sodium trimetaphosphate	7785-84-4	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Sodium triphosphate	7758-29-4	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Tetrapotassium phosphate	7320-34-5	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Tetrasodium pyrophosphate	7722-88-5	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Trialuminum sodium tetra decahydrogenoctaorthophosphate (dihydrate)	15136-87-5	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Tricalcium phosphate	7758-87-4	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Trimagnesium phosphate	7757-87-1	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Tripotassium phosphate	7778-53-2	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
~Trisodium phosphate	7601-54-9	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
Phosphine	7803-51-2	n	V		2.3	RSL	0.057	RSL	3.1E-02	1	---	---	---	---	---
Phosphoric Acid	7664-38-2	n			100000	MAX	97000	RSL	---	---	---	---	---	---	---
Phosphorus, White	7723-14-0	n	V		0.16	RSL	0.04	RSL	---	---	---	---	---	0.1	---
Phthalates															
~Bis(2-ethylhexyl)phthalate	117-81-7	c		TCL	39	RSL	5.6	RSL	---	---	0.18	16	0.182	---	---

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DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
~Butyl Benzyl Phthalate	85-68-7	c		TCL	290	RSL	16	RSL	---	---	10.9	19	16.8	29.4	---
~Butylphthalyl Butylglycolate	85-70-1	n			6300	RSL	1300	RSL	---	---	---	---	---	---	---
~Dibutyl Phthalate	84-74-2	n		TCL	630	RSL	90	RSL	---	---	6.47	19	1.16	3.4	200
~Diethyl Phthalate	84-66-2	n		TCL	5100	RSL	1500	RSL	---	---	0.603	210	0.218	75.9	100
~Dimethylterephthalate	120-61-6	n	V		780	RSL	190	RSL	---	---	---	---	---	---	---
~Octyl Phthalate, di-N-	117-84-0	n		TCL	63	RSL	20	RSL	---	---	---	22	---	---	---
~Phthalic Acid, P-	100-21-0	n			6300	RSL	1900	RSL	---	---	---	---	---	---	---
~Phthalic Anhydride	85-44-9	n			13000	RSL	3900	RSL	---	---	---	---	---	---	---
Picloram	1918-02-1	n			440	RSL	140	RSL	---	---	---	---	---	---	---
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	n			0.63	RSL	0.2	RSL	---	---	---	---	---	---	---
Picric Acid (2,4,6-Trinitrophenol)	88-89-1	n			5.7	RSL	1.8	RSL	---	---	---	---	---	---	---
Pirimiphos, Methyl	29232-93-7	n			63	RSL	12	RSL	---	---	---	---	---	---	---
Polybrominated Biphenyls	59536-65-1	c			0.018	RSL	0.0026	RSL	---	---	---	---	---	---	---
Polychlorinated Biphenyls (PCBs)															
~Aroclor 1016	12674-11-2	n	V	TCL	0.41	RSL	0.14	RSL	---	4.6	---	0.000074	---	---	---
~Aroclor 1221	11104-28-2	c	V	TCL	0.2	RSL	0.0047	RSL	---	0.16	---	0.000074	---	---	---
~Aroclor 1232	11141-16-5	c	V	TCL	0.17	RSL	0.0047	RSL	---	0.16	---	0.000074	---	---	---
~Aroclor 1242	53469-21-9	c	V	TCL	0.23	RSL	0.0078	RSL	---	0.16	---	0.000074	---	---	---
~Aroclor 1248	12672-29-6	c	V	TCL	0.23	RSL	0.0078	RSL	---	0.16	---	0.000074	---	---	---
~Aroclor 1254	11097-69-1	n	V	TCL	0.12	RSL	0.0078	RSL	---	0.16	---	0.000074	0.0633	---	---
~Aroclor 1260	11096-82-5	c	V	TCL	0.24	RSL	0.0078	RSL	---	0.16	---	0.000074	---	---	---
~Aroclor 5460	11126-42-4	n	V		3.5	RSL	1.2	RSL	---	---	---	---	---	---	---
~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	39635-31-9	c	V		0.13	RSL	0.004	RSL	---	0.083	---	---	---	---	---
~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	52663-72-6	c	V		0.12	RSL	0.004	RSL	---	0.083	---	---	---	---	---
~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	69782-90-7	c	V		0.12	RSL	0.004	RSL	---	0.083	---	---	---	---	---
~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 156)	38380-08-4	c	V		0.12	RSL	0.004	RSL	---	0.083	---	---	---	---	---
~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	32774-16-6	c	V		0.00012	RSL	0.000004	RSL	---	0.000083	---	---	---	---	---
~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	65510-44-3	c	V		0.12	RSL	0.004	RSL	---	0.083	---	---	---	---	---
~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	31508-00-6	c	V		0.12	RSL	0.004	RSL	---	0.083	---	---	---	---	---
~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	32598-14-4	c	V		0.12	RSL	0.004	RSL	---	0.083	---	---	---	---	---
~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	74472-37-0	c	V		0.12	RSL	0.004	RSL	---	0.083	---	---	---	---	---
~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	57465-28-8	c	V		0.000036	RSL	0.0000012	RSL	---	0.000024	---	---	---	---	---
Total Polychlorinated Biphenyls (Total PCBs)	1336-36-3	c	V		0.23	RSL	0.044	RSL	---	0.16	0.0598	0.000074	0.04	0.03=	40
~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	32598-13-3	c			0.038	RSL	0.006	RSL	---	---	---	---	---	---	---
~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	70362-50-4	c	V		0.012	RSL	0.0004	RSL	---	0.0083	---	---	---	---	---
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	9016-87-9	n			106	Csat	---		---	---	---	---	---	---	---
Polynuclear Aromatic Hydrocarbons (PAHs)															
~Acenaphthene	83-32-9	n	V	TCL	360	RSL	53	RSL	---	---	0.0067	5.8	0.00671	6.6	20

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Contaminant															
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~Anthracene	120-12-7	n	V	TCL	1800	RSL	180	RSL	---	---	0.0572	0.012	0.0469	0.18	---
~Benz[a]anthracene	56-55-3	c	V	TCL	0.82	BTV	0.012	RSL	---	0.3	0.108	0.018	0.0748	---	---
~Benzo(j)fluoranthene	205-82-3	c			0.42	RSL	0.065	RSL	---	---	---	---	---	---	---
~Benzo[a]pyrene	50-32-8	c		TCL	0.24	BTV	0.0034	RSL	---	---	0.15	0.015	0.0888	---	---
~Benzo[b]fluoranthene	205-99-2	c		TCL	1.11	BTV	0.034	RSL	---	---	---	---	---	---	---
~Benzo[k]fluoranthene	207-08-9	c		TCL	1.6	RSL	0.34	RSL	---	---	0.24	---	---	---	---
~Chloronaphthalene, Beta-	91-58-7	n	V	TCL	480	RSL	75	RSL	---	---	---	---	---	---	---
~Chrysene	218-01-9	c		TCL	16	RSL	3.4	RSL	---	---	0.166	---	0.108	---	---
~Dibenz[a,h]anthracene	53-70-3	c		TCL	0.17	BTV	0.0034	RSL	---	---	0.033	---	0.00622	---	---
~Dibenzo(a,e)pyrene	192-65-4	c			0.042	RSL	0.0065	RSL	---	---	---	---	---	---	---
~Dimethylbenz(a)anthracene, 7,12-	57-97-6	c			0.00046	RSL	0.0001	RSL	---	---	---	---	---	---	---
~Fluoranthene	206-44-0	n		TCL	240	RSL	80	RSL	---	---	0.423	0.04	0.113	1.6	---
~Fluorene	86-73-7	n	V	TCL	240	RSL	29	RSL	---	---	0.0774	3	0.0212	2.5	30
~Indeno[1,2,3-cd]pyrene	193-39-5	c		TCL	1.3	BTV	0.034	RSL	---	---	0.017	---	---	---	---
~Methylnaphthalene, 1-	90-12-0	c	V		18	RSL	1.1	RSL	---	---	---	2.1	---	---	---
~Methylnaphthalene, 2-	91-57-6	n	V	TCL	24	RSL	3.6	RSL	---	---	0.0202	4.7	0.0202	4.2	---
~Naphthalene	91-20-3	c	V	TCL	3.8	RSL	0.17	RSL	---	2.7	0.176	1.1	0.0346	1.4	---
~Nitropyrene, 4-	57835-92-4	c			0.42	RSL	0.019	RSL	---	---	---	---	---	---	---
~Phenanthrene	85-01-8	n	V	TCL	180	PYR	12	PYR	---	---	0.204	0.4	0.0867	1.5	---
~Pyrene	129-00-0	n	V	TCL	180	RSL	12	RSL	---	---	0.195	0.025	0.153	0.24	---
Potassium Perfluorobutane Sulfonate	29420-49-3	n			130	RSL	40	RSL	---	---	---	---	---	---	---
Prochloraz	67747-09-5	c			3.6	RSL	0.38	RSL	---	---	---	---	---	---	---
Profluralin	26399-36-0	n	V		47	RSL	2.6	RSL	---	---	---	---	---	---	---
Prometon	1610-18-0	n			95	RSL	25	RSL	---	---	---	---	---	---	---
Prometryn	7287-19-6	n			25	RSL	6	RSL	---	---	---	---	---	---	---
Propachlor	1918-16-7	n			82	RSL	25	RSL	---	---	---	---	---	---	---
Propanil	709-98-8	n			32	RSL	8.2	RSL	---	---	---	---	---	---	---
Propargite	2312-35-8	n			130	RSL	16	RSL	---	---	---	---	---	---	---
Propargyl Alcohol	107-19-7	n	V		16	RSL	4	RSL	---	---	---	---	---	---	---
Propazine	139-40-2	n			130	RSL	34	RSL	---	---	---	---	---	---	---
Propham	122-42-9	n			130	RSL	35	RSL	---	---	---	---	---	---	---
Propiconazole	60207-90-1	n			82	RSL	21	RSL	---	---	---	---	---	---	---
Propionaldehyde	123-38-6	n	V		7.5	RSL	1.7	RSL	---	27	---	---	---	---	---
Propyl benzene	103-65-1	n	V		380	RSL	66	RSL	---	3300	---	128	---	---	---
Propylene	115-07-1	n	V		220	RSL	630	RSL	40	10000	---	---	---	---	---
Propylene Glycol	57-55-6	n			100000	MAX	40000	RSL	---	---	---	---	---	---	---
Propylene Glycol Dinitrate	6423-43-4	n			39000	RSL	---	---	---	---	---	---	---	---	---
Propylene Glycol Monomethyl Ether	107-98-2	n	V		4100	RSL	320	RSL	---	6900	---	---	---	---	---
Propylene Oxide	75-56-9	c	V		2.1	RSL	0.27	RSL	---	25	---	---	---	---	---
Propyzamide	23950-58-5	n			470	RSL	120	RSL	---	---	---	---	---	---	---

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Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Pyridine	110-86-1	n	V		7.8	RSL	2	RSL	---	---	---	2380	---	---	---
Quinalphos	13593-03-8	n			3.2	RSL	0.51	RSL	---	---	---	---	---	---	---
Quinoline	91-22-5	c			0.18	RSL	0.024	RSL	---	---	---	---	---	---	---
Quizalofop-ethyl	76578-14-8	n			57	RSL	12	RSL	---	---	---	---	---	---	---
Refractory Ceramic Fibers	Ceramic	n			100000	MAX	---		---	---	---	---	---	---	---
Resmethrin	10453-86-8	n			190	RSL	6.7	RSL	---	---	---	---	---	---	---
Ronnel	299-84-3	n	V		390	RSL	41	RSL	---	---	---	---	---	---	---
Rotenone	83-79-4	n			25	RSL	6.1	RSL	---	---	---	---	---	---	---
Safrole	94-59-7	c			0.55	RSL	0.096	RSL	---	---	---	---	---	---	---
Selenious Acid	7783-00-8	n			39	RSL	10	RSL	---	---	---	---	---	---	---
Selenium	7782-49-2	n		TAL	39	RSL	10	RSL	---	---	2	1	---	71	0.2
Selenium Sulfide	7446-34-6	n			39	RSL	10	RSL	---	---	---	---	---	---	---
Sethoxydim	74051-80-2	n			570	RSL	100	RSL	---	---	---	---	---	---	---
Silica (crystalline, respirable)	7631-86-9	n			5000	MAX	---		---	---	---	---	---	---	---
Silver	7440-22-4	n		TAL	39	RSL	9.4	RSL	---	---	1.0	3.2	0.73	0.23	2
Simazine	122-34-9	c			4.5	RSL	0.61	RSL	---	---	---	---	---	---	---
Sodium Acifluorfen	62476-59-9	n			82	RSL	26	RSL	---	---	---	---	---	---	---
Sodium Azide	26628-22-8	n			31	RSL	8	RSL	---	---	---	---	---	---	---
Sodium Dichromate	10588-01-9	c			0.3	RSL	0.041	RSL	---	---	---	---	---	---	---
Sodium Diethyldithiocarbamate	148-18-5	c			2	RSL	0.29	RSL	---	---	---	---	---	---	---
Sodium Fluoride	7681-49-4	n			390	RSL	100	RSL	---	---	---	---	---	---	---
Sodium Fluoroacetate	62-74-8	n			0.13	RSL	0.04	RSL	---	---	---	---	---	---	---
Sodium Metavanadate	13718-26-8	n			7.8	RSL	2	RSL	---	---	---	---	---	---	---
Sodium Tungstate	13472-45-2	n			6.3	RSL	1.6	RSL	---	---	---	---	---	---	---
Sodium Tungstate Dihydrate	10213-10-2	n			6.3	RSL	1.6	RSL	---	---	---	---	---	---	---
Stirofos (Tetrachlorovinphos)	961-11-5	c			23	RSL	2.8	RSL	---	---	---	---	---	---	---
Strontium Chromate	7789-06-2	c			0.3	RSL	0.041	RSL	---	---	---	---	---	---	---
Strontium, Stable	7440-24-6	n			4700	RSL	1200	RSL	---	---	---	1500	---	---	---
Strychnine	57-24-9	n			1.9	RSL	0.59	RSL	---	---	---	---	---	---	---
Styrene	100-42-5	n	V	TCL	600	RSL	100	MCL	---	3300	0.559	72	7.07	910	300
Styrene-Acrylonitrile (SAN) Trimer	SAN Trimer	n			19	RSL	4.8	RSL	---	---	---	---	---	---	---
Sulfolane	126-33-0	n			6.3	RSL	2	RSL	---	---	---	---	---	---	---
Sulfonylbis(4-chlorobenzene), 1,1'-	80-07-9	n			5.1	RSL	1.1	RSL	---	---	---	---	---	---	---
Sulfur Trioxide	7446-11-9	n	V		100000	MAX	0.21	RSL	---	3.3	---	---	---	---	---
Sulfuric Acid	7664-93-9	n			100000	MAX	---		---	---	---	---	---	---	---
Sulfurous acid, 2-chloroethyl 2-[4-(1,1-dimethylethyl)phenoxy]-1-methylethyl ester	140-57-8	c			22	RSL	1.3	RSL	---	---	---	3.09	---	---	---
TCMTB	21564-17-0	n			190	RSL	48	RSL	---	---	---	---	---	---	---
Tebuthiuron	34014-18-1	n			440	RSL	140	RSL	---	---	---	---	---	---	---

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Temephos	3383-96-8	n			130	RSL	40	RSL	---	---	---	---	---	---	---
Terbacil	5902-51-2	n			82	RSL	25	RSL	---	---	---	---	---	---	---
Terbufos	13071-79-9	n	V		0.2	RSL	0.024	RSL	---	---	---	---	---	---	---
Terbutryn	886-50-0	n			6.3	RSL	1.3	RSL	---	---	---	---	---	---	---
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	5436-43-1	n			0.63	RSL	0.2	RSL	---	---	---	---	---	---	---
Tetrachlorobenzene, 1,2,4,5-	95-94-3	n	V	TCL	2.3	RSL	0.17	RSL	---	---	1.09	3	47	129	---
Tetrachloroethane, 1,1,1,2-	630-20-6	c	V		2	RSL	0.57	RSL	---	13	---	---	---	---	---
Tetrachloroethane, 1,1,2,2-	79-34-5	c	V	TCL	0.6	RSL	0.076	RSL	---	1.6	1.36	610	0.202	90.2	---
Tetrachloroethylene	127-18-4	n	V	TCL	8.1	RSL	1	MCL	---	140	0.468	111	0.19	45	---
Tetrachlorophenol, 2,3,4,6-	58-90-2	n		TCL	190	RSL	24	RSL	---	---	0.284	1.2	---	---	---
Tetrachlorotoluene, p- alpha, alpha, alpha-	5216-25-1	c	V		0.035	RSL	0.0013	RSL	---	---	---	---	---	---	---
Tetraethyl Dithiopyrophosphate	3689-24-5	n			3.2	RSL	0.71	RSL	---	---	---	---	---	---	---
Tetrafluoroethane, 1,1,1,2-	811-97-2	n	V		1090	Csat	17000	RSL	---	270000	---	---	---	---	---
Tetryl (Trinitrophenylmethylnitramine)	479-45-8	n			16	RSL	3.9	RSL	---	---	---	---	---	---	---
Thallic Oxide	1314-32-5	n			0.16	RSL	0.04	RSL	---	---	---	---	---	---	---
Thallium (I) Nitrate	10102-45-1	n			0.078	RSL	0.02	RSL	---	---	---	---	---	---	---
Thallium (Soluble Salts)	7440-28-0	n		TAL	0.078	RSL	0.02	RSL	---	---	---	0.8	---	21.3	1
Thallium Acetate	563-68-8	n	V		0.078	RSL	0.02	RSL	---	---	---	---	---	---	---
Thallium Carbonate	6533-73-9	n	V		0.16	RSL	0.04	RSL	---	---	---	---	---	---	---
Thallium Chloride	7791-12-0	n			0.078	RSL	0.02	RSL	---	---	---	---	---	---	---
Thallium Selenite	12039-52-0	n			0.078	RSL	0.02	RSL	---	---	---	---	---	---	---
Thallium Sulfate	7446-18-6	n			0.16	RSL	0.04	RSL	---	---	---	---	---	---	---
Thifensulfuron-methyl	79277-27-3	n			82	RSL	26	RSL	---	---	---	---	---	---	---
Thiobencarb	28249-77-6	n			63	RSL	16	RSL	---	---	---	---	---	---	---
Thiodiglycol	111-48-8	n			540	RSL	140	RSL	---	---	---	---	---	---	---
Thiofanox	39196-18-4	n			1.9	RSL	0.53	RSL	---	---	---	---	---	---	---
Thiophanate, Methyl	23564-05-8	n			510	RSL	160	RSL	---	---	---	---	---	---	---
Thiram	137-26-8	n			32	RSL	9.8	RSL	---	---	---	---	---	---	---
Tin	7440-31-5	n			4700	RSL	1200	RSL	---	---	---	73	---	---	50
Titanium Tetrachloride	7550-45-0	n	V		14000	RSL	0.021	RSL	---	0.33	---	---	---	---	---
Toluene	108-88-3	n	V	TCL	490	RSL	110	RSL	---	17000	---	2	1.09	215	200
Toluene-2,4-diisocyanate	584-84-9	n	V		0.64	RSL	0.0017	RSL	---	0.027	---	---	---	---	---
Toluene-2,5-diamine	95-70-5	n			1.3	RSL	0.4	RSL	---	---	---	---	---	---	---
Toluene-2,6-diisocyanate	91-08-7	n	V		0.53	RSL	0.0017	RSL	---	0.027	---	---	---	---	---
Toluidine, o- (Methylaniline, 2-)	95-53-4	c			34	RSL	4.7	RSL	---	---	---	---	---	---	---
Toluidine, p-	106-49-0	c			18	RSL	2.5	RSL	---	---	---	---	---	---	---
Toxaphene	8001-35-2	c		TCL	0.49	RSL	0.071	RSL	---	---	0.0001	0.0002	0.536	0.0002=	---
Tralomethrin	66841-25-6	n			47	RSL	15	RSL	---	---	---	---	---	---	---
Tri-n-butyltin	688-73-3	n	V		2.3	RSL	0.37	RSL	---	---	---	0.008	---	0.001	---
Triacetin	102-76-1	n			100000	MAX	100000	MAX	---	---	---	---	---	---	---

Note: RSL is EPA's Regional Screening Level from May 2016 (with TR = 1E-06 and THQ = 1) found at <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-may-2016>.

DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Triadimefon	43121-43-3	n			190	RSL	55	RSL	---	---	---	---	---	---	---
Triallate	2303-17-5	n	V		100	RSL	12	RSL	---	---	---	---	---	---	---
Triasulfuron	82097-50-5	n			63	RSL	20	RSL	---	---	---	---	---	---	---
Tribenuron-methyl	101200-48-0	n			51	RSL	16	RSL	---	---	---	---	---	---	---
Tribromobenzene, 1,2,4-	615-54-3	n	V		39	RSL	4.5	RSL	---	---	---	---	---	---	---
Tributyl Phosphate	126-73-8	c			60	RSL	5.2	RSL	---	---	---	---	---	---	---
Tributyltin Compounds	Tributyltin	n			1.9	RSL	0.6	RSL	---	---	---	0.072=	---	0.0074=	---
Tributyltin Oxide	56-35-9	n			1.9	RSL	0.57	RSL	---	---	---	---	---	---	---
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76-13-1	n	V	TCL	4000	RSL	5500	RSL	150	100000	---	---	---	---	---
Trichloroacetic Acid	76-03-9	c			7.8	RSL	1.1	RSL	---	---	---	---	---	---	---
Trichloroaniline HCl, 2,4,6-	33663-50-2	c			19	RSL	2.7	RSL	---	---	---	---	---	---	---
Trichloroaniline, 2,4,6-	634-93-5	n			0.19	RSL	0.04	RSL	---	---	---	---	---	---	---
Trichlorobenzene, 1,2,3-	87-61-6	n	V	TCL	6.3	RSL	0.7	RSL	---	---	0.858	---	---	---	---
Trichlorobenzene, 1,2,4-	120-82-1	n	V	TCL	5.8	RSL	0.4	RSL	---	6.9	2.1	24	0.473	5.4	20
Trichloroethane, 1,1,1-	71-55-6	n	V	TCL	810	RSL	200	MCL	---	17000	0.0302	11	0.856	312	---
Trichloroethane, 1,1,2-	79-00-5	n	V	TCL	0.15	RSL	0.041	RSL	---	0.69	1.24	1200	0.57	550	---
Trichloroethylene	79-01-6	n	V	TCL	0.41	RSL	0.28	RSL	---	6.9	0.0969	21	8.95	1940	---
Trichlorofluoromethane	75-69-4	n	V	TCL	2300	RSL	520	RSL	---	---	---	---	---	---	---
Trichlorophenol, 2,4,5-	95-95-4	n		TCL	630	RSL	120	RSL	---	---	---	---	0.819	12	9
Trichlorophenol, 2,4,6-	88-06-2	n		TCL	6.3	RSL	1.2	RSL	---	---	0.213	4.9	2.65	61	10
Trichlorophenoxyacetic Acid, 2,4,5-	93-76-5	n			63	RSL	16	RSL	---	---	12.3	686	---	---	---
Trichlorophenoxypropionic acid, -2,4,5	93-72-1	n			51	RSL	11	RSL	---	---	0.675	30	---	---	---
Trichloropropane, 1,1,2-	598-77-6	n	V		39	RSL	8.8	RSL	---	---	---	---	---	---	---
Trichloropropane, 1,2,3-	96-18-4	c	V		0.0051	RSL	0.00075	RSL	---	1	---	---	---	---	---
Trichloropropene, 1,2,3-	96-19-5	n	V		0.073	RSL	0.062	RSL	---	1	---	---	---	---	---
Tricresyl Phosphate (TCP)	1330-78-5	n			130	RSL	16	RSL	---	---	---	---	---	---	---
Tridiphane	58138-08-2	n			19	RSL	1.8	RSL	---	---	---	---	---	---	---
Triethylamine	121-44-8	n	V		12	RSL	1.5	RSL	---	24	---	---	---	---	---
Triethylene Glycol	112-27-6	n			13000	RSL	4000	RSL	---	---	---	---	---	---	---
Trifluoroethane, 1,1,1-	420-46-2	n	V		1500	RSL	4200	RSL	---	69000	---	---	---	---	---
Trifluralin	1582-09-8	n	V		59	RSL	2.6	RSL	---	---	0.355	0.2	---	---	---
Trimethyl Phosphate	512-56-1	c			27	RSL	3.9	RSL	---	---	---	---	---	---	---
Trimethylbenzene, 1,2,3-	526-73-8	n	V		4.9	RSL	1	RSL	---	17	---	---	---	---	---
Trimethylbenzene, 1,2,4-	95-63-6	n	V		5.8	RSL	1.5	RSL	---	24	33	---	---	19	---
Trimethylbenzene, 1,3,5-	108-67-8	n	V		78	RSL	12	RSL	---	---	---	71	---	---	---
Trimethylpentene, 2,4,4-	25167-70-8	n	V		78	RSL	6.5	RSL	---	---	---	---	---	---	---
Trinitrobenzene, 1,3,5-	99-35-4	n			220	RSL	59	RSL	---	---	---	---	---	---	---
Trinitrotoluene, 2,4,6-	118-96-7	n			3.6	RSL	0.98	RSL	---	---	0.092	100	---	100	---
Triphenylphosphine Oxide	791-28-6	n			130	RSL	36	RSL	---	---	---	---	---	---	---
Tris(1,3-Dichloro-2-propyl) Phosphate	13674-87-8	n			130	RSL	36	RSL	---	---	---	---	---	---	---

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DNREC-SIRS Screening Level Table - Effective July 2016

Contaminant															
Analyte	CAS No.		Vol	TAL or TCL?	Soil (mg/kg)	Key for Soil	Ground water (ingestion) (ug/L)	Key for Ground water	Ground water (VI) (ug/L)	Sub Slab and Soil Gas (ug/m3)	Ecological Sediment Fresh (mg/kg)	Ecological Surface Water Fresh (ug/L)	Ecological Sediment Marine (mg/kg)	Ecological Surface Water Marine (ug/L)	Ecological Surface Soil (mg/kg)
Tris(1-chloro-2-propyl)phosphate	13674-84-5	n			63	RSL	19	RSL	---	---	---	---	---	---	---
Tris(2,3-dibromopropyl)phosphate	126-72-7	c	V		0.28	RSL	0.0068	RSL	---	0.14	---	---	---	---	---
Tris(2-chloroethyl)phosphate	115-96-8	c			27	RSL	3.8	RSL	---	---	---	---	---	---	---
Tris(2-ethylhexyl)phosphate	78-42-2	c			170	RSL	24	RSL	---	---	---	---	---	---	---
Tungsten	7440-33-7	n			6.3	RSL	1.6	RSL	---	---	---	---	---	---	---
Uranium (Soluble Salts)	U-soluble salts	n			23	RSL	6	RSL	---	---	---	---	---	---	5
Urethane	51-79-6	c			0.12	RSL	0.025	RSL	---	---	---	---	---	---	---
Vanadium Pentoxide	1314-62-1	n			66	RSL	15	RSL	---	---	---	15	---	---	---
Vanadium and Compounds	7440-62-2	n		TAL	134	BTV	8.6	RSL	---	---	---	20	---	---	2
Vernolate	1929-77-7	n	V		7.8	RSL	1.1	RSL	---	---	---	---	---	---	---
Vinclozolin	50471-44-8	n			160	RSL	44	RSL	---	---	---	---	---	---	---
Vinyl Acetate	108-05-4	n	V		91	RSL	41	RSL	---	690	---	16	---	---	---
Vinyl Bromide	593-60-2	c	V		0.12	RSL	0.18	RSL	---	2.9	---	---	---	---	---
Vinyl Chloride	75-01-4	c	V	TCL	0.059	RSL	0.019	RSL	---	5.6	---	930	---	---	---
Warfarin	81-81-2	n			1.9	RSL	0.56	RSL	---	---	---	---	---	---	---
Xylene, P-	106-42-3	n	V		56	RSL	19	RSL	---	330	---	---	---	---	---
Xylene, m-	108-38-3	n	V		55	RSL	19	RSL	---	330	0.0252	1.8	---	---	---
Xylene, o-	95-47-6	n	V	TCL	65	RSL	19	RSL	---	330	---	---	---	---	---
Xylenes	1330-20-7	n	V		58	RSL	19	RSL	---	330	---	13	---	19	---
Zinc Phosphide	1314-84-7	n			2.3	RSL	0.6	RSL	---	---	---	---	---	---	---
Zinc and Compounds	7440-66-6	n		TAL	2300	RSL	600	RSL	---	---	121	120	124	81	8.5
Zineb	12122-67-7	n			320	RSL	99	RSL	---	---	---	---	---	---	---
Zirconium	7440-67-7	n			0.63	RSL	0.16	RSL	---	---	---	17	---	---	---