

A.3 Residual Soil Analytical Results Table
Auto Repair on Vliet BRRTS #03-41-286924

Sample ID	Depth (feet)	Saturation U/S	Date	PID															DIRECT CONTACT - PVOC & PAH		
					Lead (ppm)	DRO (ppm)	GRO (ppm)	Cadmium (ppm)	Benzene (ppm)	1,2-Dichloroethane (ppm)	Ethylbenzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	Exeedance Count	Hazard Index	Cumulative Cancer Risk
B2	0-2	U	08/17/01	BDL	87	28	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2306	2.7E-06
B3	0-2	U	08/17/01	BDL	96	25	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1	0.2480	1.8E-06
G-6-4	16.0	S	02/06/17	519.0	NS	NS	NS	NS	3.50	<0.38	2.18	<0.5	3.60	8.20	3.60	1.36	9.14	NS			
G-10-1	3.5	U	02/06/17	136.0	256.00	NS	NS	NS	<0.03	<0.038	0.041	<0.05	<0.094	0.038	0.098	0.035	0.099-0.143	NS	0	0.6422	1.0E-07
G-15-3	11.5	S	02/07/17	482.0	NS	NS	NS	NS	<0.15	<0.19	0.57	<0.25	1.44	<0.16	20.70	10.80	1.40	NS			
EX-2	9.0	U	10/08/18	110.0	NS	NS	NS	NS	0.081	NS	5.6	<0.025	5.7	5.0	10.8	4.0	22.9	NS			
EX-5	15.0	S	10/08/18	5.0	NS	NS	NS	NS	5.80	NS	0.121	<0.025	0.109	5.9	0.049	0.0263	0.334	NS			
EX-8	15.0	S	10/08/18	15.0	NS	NS	NS	NS	1.89	NS	1.68	<0.025	1.27	4.90	2.3	0.80	7.69	NS			
EX-10	9.0	U	10/08/18	125.0	NS	NS	NS	NS	0.92	NS	8.0	<0.025	4.10	12.8	12.4	5.7	30.2	NS			
EX-15	9.0	U	10/08/18	95.0	NS	NS	NS	NS	<1.25	NS	30.3	<1.25	29.9	23.4	53	45	122	NS			
EX-18	15.0	S	10/08/18	70.0	NS	NS	NS	NS	6.7	NS	23.4	<1.25	16.8	36	30.4	20.4	84.7	NS			
EX-21	15.0	S	10/08/18	45.0	NS	NS	NS	NS	2.37	NS	2.05	<0.025	0.038	7.6	<0.025	<0.025	6.77	NS			
Groundwater RCL					27	-	-	0.752	0.0051	0.0028	1.57	0.027	0.6582	1.1072	1.3787		3.96	-			
Non-Industrial Direct Contact RCL					400	-	-	71.1	1.6	0.652	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					(800)	-	-	(0.985)	(7.07)	(2.87)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(260)	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	-	1820*	540*	480*	8870*	-	818*	219*	182*	260*	-			

Bold = Groundwater RCL Exceedance

Bold & Underline = Non Industrial Direct Contact RCL Exceedance

(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance

Bold & Asteric * = C-sat Exceedance

NS = Not Sampled

NM = Not Measured

(ppm) = parts per million

ND = No Detects

DRO = Diesel Range Organics

GRO = Gasoline Range Organics

PID = Photoionization Detector

PVOC's = Petroleum Volatile Organic Compounds

VOC's = Volatile Organic Compounds

Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.3. Residual Soil Analytical Results Table
(cPAH)
Auto Repair on Vliet BRRTS #03-41-286924

																					DIRECT CONTACT		
Sample	Depth (feet)	Saturation U/S	Date	Acenaph- thene (ppm)	Acenaph- thylene (ppm)	Anthracene (ppm)	Benzo(a) anthracene (ppm)	Benzo(a) pyrene (ppm)	Benzo(b) fluoranthene (ppm)	Benzo(g,h,i) perylene (ppm)	Benzo(k) fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h) anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd) pyrene (ppm)	1-Methyl- naphthalene (ppm)	2-Methyl- naphthalene (ppm)	Naph- thalene (ppm)	Phenan- threne (ppm)	Pyrene (ppm)	(Cumulative) cPAH Cancer Risk	Cumulative Hazard Index
B-2	0-2	U	08/17/01	NS	NS	NS	0.218	0.225	0.424	0.234	0.397	0.28	NS	0.369	NS	0.182	NS	NS	NS	0.148	0.469	2.7E-06**	0.0131
B-3	0-2	U	08/17/01	NS	NS	NS	0.179	0.136	0.318	0.173	0.297	0.209	NS	0.356	NS	0.14	NS	NS	NS	0.156	0.404	1.8E-06**	0.008
Groundwater RCL				---	---	196.9492	---	0.47	0.4781	---	---	0.1442	---	88.8778	14.8299	---	---	---	0.6582	---	54.5455		
Non-Industrial Direct Contact RCL				3590	---	17900	1.14	0.115	1.15	---	11.5	115	0.115	2390	2390	1.15	17.6	239	5.52	---	1790	5.00E-06	1.00E+00
Industrial Direct Contact RCL				(45200)	---	(100000)	(20.8)	(2.11)	(21.1)	---	(211)	(2110)	(2.11)	(30100)	(30100)	(21.1)	(72.7)	(3010)	(24.1)	---	(22600)		
Soil Saturation Concentration (C-sat)*																							

Bold = Groundwater RCL Exceedance
Bold & Underline =Direct Contact RCL Exceedance
(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
NS = Not Sampled
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
VOC's = Volatile Organic Compounds

U = unsaturated (based on all time low water table per WDNR)
S = saturated (based on all time low water table per WDNR)
** = Direct Contact Fall-Out Due to cPAH Calculator