

NOTE: The information in this table was not peer reviewed or copy edited by the *Journal of Environmental Health*. It serves as extra reference for the reader should they want the information.

Table 1-A. Chemical Inventory From 1,921 Pennsylvania FracFocus Chemical Disclosure Forms

CAS Number	Chemical Name (from ChemIDplus Advanced)	Number of Wells that Used Chemical	Percentage of wells that Used Chemical	Mean Volume per Well (gals)	Standard Deviation (gals)	Median Volume Per Well (gals)	Interquartile Range (gals)	Minimum Concentration (gals)	Maximum Concentration (gals)	Number of Wells that Use Chemical with No Concentration Value	Number of Outliers Removed	Range of Volume of Outliers (gals)
14808-60-7	Quartz*	1,655	86.15%	4,892,983.86*	2,323,980.77*	4,945,216.38*	2,866,544.04*	54.25*	29,937,673.41*	11		
7647-01-0	Hydrochloric acid	1,876	97.66%	6,457.83	11,393.90	2,963.54	4,711.14	15.93	148,561.11	28	10	258,974 - 502,639
67-56-1	Methyl alcohol	1,431	74.49%	156.34	447.80	37.70	172.86	0.01	10,364.16	18	1	40,709
64742-47-8	Distillates (petroleum), hydrotreated light	1,253	65.23%	1,499.39	2,945.75	1,095.67	882.86	0.23	58,342.45	20	1	652,320
107-19-7	Propargyl alcohol	1,239	64.50%	5.76	9.55	2.51	4.50	0.20	94.85	53		
7732-18-5	Water (as component of chemical product)	803	41.80%	19,577.60	17,603.19	14,959.62	21,419.04	0.33	140,543.28	91		
111-30-8	Glutaral	730	38.00%	360.66	484.44	187.77	366.25	8.32	5,345.62	8		
12125-02-9	Ammonium chloride	624	32.48%	161.04	476.53	107.12	106.40	2.64	9,399.88	10		
107-21-1	Ethylene glycol	602	31.34%	506.51	1,653.71	269.70	410.71	0.05	21,894.78	34		
10222-01-2	2,2-Dibromo-3-nitrilopropionamide	592	30.82%	329.02	657.61	207.80	216.38	0.53	9,846.83	16		
67-63-0	Isopropyl alcohol	574	29.88%	270.55	746.08	12.81	50.14	0.01	8,970.13	13		
25322-68-3	Polyethylene glycol	542	28.21%	698.87	544.18	559.17	665.61	0.34	2,843.11	29	2	18,494 - 19,694
77-92-9	Citric acid, anhydrous	525	27.33%	177.02	846.10	56.36	104.84	0.33	12,016.03	7		
64-17-5	Alcohol	462	24.05%	76.58	49.90	74.89	41.70	2.03	791.92	44		
9000-30-0	Guar gum	426	22.18%	316.04	539.97	117.63	180.64	2.98	3,405.94	38		
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	394	20.51%	131.93	87.03	111.41	91.49	2.83	1,088.97	42		
111-76-2	Ethylene glycol mono-n-butyl ether	376	19.57%	37.52	177.89	7.29	9.77	0.67	2,138.87	7		
7775-27-1	Peroxydisulfuric acid, disodium salt	339	17.65%	19.87	26.94	5.77	22.72	0.54	149.77	28		
81741-28-8	Tri-N-butyl tetradecyl phosphonium chloride	338	17.60%	173.34	570.89	120.12	87.34	8.43	10,378.38	4		
9012-54-8	Cellulase	329	17.13%	5.49	7.86	1.81	7.28	0.09	52.68	125		
1310-73-2	Sodium hydroxide	308	16.03%	383.06	567.88	112.26	536.59	0.26	3,149.45	10		
7173-51-5	Didecyl dimethyl ammonium chloride	287	14.94%	138.01	105.65	135.69	65.43	4.02	1,583.84	7		
7647-14-5	Sodium chloride	230	11.97%	890.89	1,473.44	347.47	1,301.46	0.13	13,428.50	28		
68527-49-1	Thiourea, polymer with formaldehyde and 1-phenylethanol	227	11.82%	11.81	8.32	9.01	10.68	1.13	56.61	26		
3252-43-5	Dibromoacetonitrile	223	11.61%	124.14	463.54	39.79	35.31	1.21	4,187.54	8		
51200-87-4	Dimethyl oxazolidine	220	11.45%	485.16	167.42	432.78	170.04	235.22	1,409.26	-		
75673-43-7	Oxazolidine, 3,4,4-trimethyl-	220	11.45%	30.57	9.80	27.32	10.03	15.34	90.89	1		
124-68-5	2-Amino-2-methylpropanol	220	11.45%	6.07	1.96	5.46	2.18	2.03	17.76	4		
64-19-7	Acetic acid, glacial	215	11.19%	159.10	497.50	60.00	63.70	2.45	3,493.42	2		
56652-26-7**	Formaldehyde Amine	203	10.57%	3.10	0.96	2.77	1.13	1.70	9.40	-		
64742-48-9	C9-11 alkane/cycloalkane	198	10.31%	307.74	468.08	121.09	278.67	6.09	2,900.39	87		

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CAS Number	Chemical Name (from ChemIDplus Advanced)	Number of Wells that Used Chemical	Percentage of wells that Used Chemical	Mean Volume per Well (gals)	Standard Deviation (gals)	Median Volume Per Well (gals)	Interquartile Range (gals)	Minimum Concentration (gals)	Maximum Concentration (gals)	Number of Wells that Use Chemical with No Concentration Value	Number of Outliers Removed	Range of Volume of Outliers (gals)
68-12-2	Dimethylformamide	196	10.20%	10.87	9.05	7.16	11.29	1.10	63.23	1		
7783-20-2	Ammonium sulfate	192	9.99%	1,026.14	724.38	1,012.04	977.94	2.84	4,978.24	44	1	157,370
68551-12-2	C12-16 pareth-9	185	9.63%	346.14	771.49	213.18	334.90	2.20	9,399.88	19		
6381-77-7	Sodium erythorbate	185	9.63%	64.74	112.80	11.80	26.07	1.38	554.21	-		
68412-54-4	Poly(oxy-1,2-ethanediyl), alpha-(nonylphenyl)-omega-hydroxy-, branched	162	8.43%	6.63	4.88	4.54	4.53	0.13	26.12	3		
7757-82-6	Sodium sulfate, dried	149	7.76%	1.99	1.60	1.59	1.29	0.43	9.92	2		
16887-00-6	Chlorides	142	7.39%	1,727.91	696.28	1,739.17	792.58	26.01	3,328.83	31		
111-46-6	Diethylene glycol	138	7.18%	32.86	19.87	32.56	18.36	0.11	91.70	27		
64743-02-8	Alkenes, C>10 alpha-	127	6.61%	2.54	3.81	1.75	2.23	0.38	41.69	1		
57-55-6	Propylene glycol	126	6.56%	1,446.72	1,567.16	976.93	2,536.65	15.04	8,006.68	2		
64-18-6	Formic acid	126	6.56%	170.56	641.65	9.18	6.41	0.07	4,422.67	-		
68951-67-7	C14-15 Pareth-7	125	6.51%	13.53	8.82	10.42	12.68	3.06	56.61	-		
9003-04-7	Polyacrylic acid, sodium salt	120	6.25%	421.52	244.60	456.92	449.45	14.33	1,120.53	-		
26635-93-8	Oleylamine, ethoxylated	113	5.88%	228.12	114.90	214.80	144.98	11.35	498.36	62		
18662-53-8	NTA trisodium salt dihydrate	108	5.62%	38.56	31.63	25.53	28.22	5.16	150.08	-		
7758-19-2	Sodium chlorite	106	5.52%	137.99	56.77	131.24	62.12	3.21	262.84	-		
100-44-7	Benzyl chloride	101	5.26%	4.29	13.93	0.32	0.23	0.00	73.73	34		
7727-54-0	Ammonium peroxydisulfate	94	4.89%	103.56	164.52	41.47	127.22	0.44	881.54	7		
533-74-4	Dazomet	91	4.74%	387.17	501.84	277.89	430.73	56.09	4,150.26	-		
584-08-7	Potassium carbonate	82	4.27%	398.41	522.89	144.47	531.78	0.84	3,101.82	21		
108-24-7	Acetic anhydride	80	4.16%	108.84	37.18	100.21	65.32	51.73	191.16	2		
68002-97-1	C10-16 pareth-1	79	4.11%	905.39	1,680.99	21.77	212.89	1.44	5,303.22	-		
631-61-8	Ammonium acetate	73	3.80%	184.31	85.53	177.08	108.31	29.61	377.63	-		
50-00-0	Formaldehyde	73	3.80%	1.54	1.44	0.70	2.21	0.10	4.76	38		
13598-36-2	Phosphorous acid	72	3.75%	7.93	6.97	7.88	8.56	1.12	23.36	63		
1338-43-8	Sorbitan monooleate	65	3.38%	464.21	25.91	474.40	24.36	434.76	483.47	62		
68439-50-9	C12-14 pareth-12	65	3.38%	42.74	39.12	32.33	46.74	2.20	151.89	36		
910644-97-2**	Polypropenamide	62	3.23%	N/A	N/A	N/A	N/A	N/A	N/A	62		
94266-47-4	Citrus, ext.	62	3.23%	540.22	299.03	475.73	414.64	39.88	1,625.12	1		
72480-70-7	Tar bases, quinoline derivs., benzyl chloride-quaternized	62	3.23%	5.75	5.76	4.84	2.71	0.10	47.47	-		
111-42-2	Diethanolamine	60	3.12%	0.97	0.75	0.65	0.55	0.31	3.17	1		
61790-12-3	Acids, tall oil	55	2.86%	12.20	9.37	8.05	17.00	1.50	34.98	-		
104-76-7	2-Ethyl-1-hexanol	54	2.81%	259.54	788.85	6.42	12.95	0.30	3,362.72	1		
110-17-8	Fumaric acid	51	2.65%	2.82	0.85	2.81	0.65	0.81	5.94	2		
10049-04-4	Chlorine dioxide	49	2.55%	37.90	24.87	33.78	34.59	0.54	104.70	5		
9003-05-8	Polyacrylamide	48	2.50%	1,447.52	1,866.23	751.54	526.25	25.75	7,733.50	1		

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112-30-1	1-Decanol	47	2.45%	4.82	2.56	4.38	2.86	1.34	15.85	1		
111-87-5	1-Octanol	47	2.45%	4.82	2.56	4.38	2.86	1.34	15.85	1		
68647-72-3	Terpenes and Terpenoids, sweet orange-oil	45	2.34%	1,459.84	460.59	1,320.95	793.04	787.64	2,576.90	-		
10043-52-4	Calcium chloride anhydrous	45	2.34%	158.36	190.49	58.42	129.76	13.28	659.34	12		
112-34-5	Diethylene glycol mono-n-butyl ether	45	2.34%	23.89	22.70	20.52	21.17	0.91	124.17	7		
497-19-8	Sodium carbonate	42	2.19%	3,067.32	1,204.12	3,086.32	785.14	20.54	6,299.23	-		
7601-54-9	Trisodium phosphate	42	2.19%	83.47	168.67	48.80	38.93	9.65	1,112.16	-		
5064-31-3	Trisodium nitrilotriacetate	41	2.13%	44.19	31.13	37.12	13.75	16.89	199.14	-		
1344-28-1	Aluminum oxide	40	2.08%	6,329.98	4,286.76	6,303.67	4,089.33	79.77	20,728.24	-		
37971-36-1	2-Phosphonobutane-1,2,4-tricarboxylic acid	40	2.08%	88.35	64.65	80.59	79.40	0.38	243.97	14		
79-06-1	Acrylamide	39	2.03%	9.56	0.72	9.66	0.71	8.79	10.21	36		
1309-37-1	Ferric oxide	38	1.98%	524.94	278.69	545.99	322.86	7.63	1,057.80	-		
13463-67-7	Titanium dioxide	38	1.98%	524.94	278.69	545.99	322.86	7.63	1,057.80	-		
7647-15-6	Sodium bromide	35	1.82%	104.05	64.95	115.97	71.52	0.88	331.83	-		
8052-41-3	Stoddard solvent	34	1.77%	669.99	655.30	579.33	740.18	10.79	2,604.67	15		
9003-06-9	Poly(acrylamide-co-acrylic acid)	33	1.72%	850.10	360.61	845.81	382.30	24.09	1,569.55	-		
27176-87-0	Dodecyl benzene sulfonic acid	33	1.72%	1.58	0.98	1.53	1.27	0.34	3.73	-		
91-20-3	Naphthalene	33	1.72%	0.92	1.51	0.42	0.74	0.10	6.31	13		
10192-30-0	Ammonium bisulfite	32	1.67%	624.84	836.26	522.65	442.71	4.35	4,919.34	-		
104-55-2	Cinnamaldehyde	32	1.67%	4.67	2.50	4.12	1.37	2.15	15.85	-		
68603-42-9	Coconut diethanolamide	32	1.67%	4.19	2.69	3.09	2.57	1.07	14.88	1		
78-40-0	Triethyl phosphate	32	1.67%	3.72	2.37	3.48	1.28	2.03	15.85	-		
10486-00-7	Sodium perborate tetrahydrate	31	1.61%	40.88	111.60	11.10	12.17	1.31	484.26	1		
95-63-6	1,2,4-Trimethylbenzene	31	1.61%	1.01	0.87	0.56	0.93	0.23	3.54	1		
64742-95-6	Aromatic naphtha, type I	30	1.56%	1.99	1.71	1.17	1.58	0.46	7.09	-		
64741-68-0	Naphtha (petroleum), heavy catalytic reformed	30	1.56%	1.99	1.71	1.17	1.58	0.46	7.09	-		
8008-20-6	Kerosene	30	1.56%	1.01	0.87	0.56	0.93	0.23	3.54	-		
64742-81-0	Kerosine (petroleum), hydrodesulfurized	30	1.56%	1.01	0.87	0.56	0.93	0.23	3.54	-		
25340-17-4	Benzene, diethyl-	30	1.56%	0.35	0.19	0.37	0.36	0.10	0.70	12		
98-82-8	Cumene	30	1.56%	0.35	0.19	0.37	0.36	0.10	0.70	12		
108-67-8	Mesitylene	30	1.56%	0.35	0.19	0.37	0.36	0.10	0.70	12		
1330-20-7	Xylenes	30	1.56%	0.35	0.19	0.37	0.36	0.10	0.70	12		
7722-84-1	Hydrogen peroxide	29	1.51%	135.15	188.95	49.65	116.47	4.12	635.47	-		
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated	27	1.41%	5.33	10.62	1.81	0.91	0.44	49.36	4		

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26100-47-0	2-Propenoic acid, ammonium salt (1:1), polymer with 2-propenamide	26	1.35%	N/A	N/A	N/A	N/A	N/A	N/A	26		
84133-50-6	C12-14 sec-pareth-20	26	1.35%	N/A	N/A	N/A	N/A	N/A	N/A	26		
61723-83-9	Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, ether with D-glucitol (2:1), tetra-(9Z)-9-octadecenoate	26	1.35%	N/A	N/A	N/A	N/A	N/A	N/A	26		
9004-96-0	Polyoxyethylene monoleate	26	1.35%	N/A	N/A	N/A	N/A	N/A	N/A	26		
1319-33-1	Ulexite (CaNaH12(BO3)5.2H2O)	23	1.20%	N/A	N/A	N/A	N/A	N/A	N/A	23		
100-97-0	Methenamine	23	1.20%	6,304.72	1,273.59	6,441.86	2,070.32	4,268.41	8,514.35	-		
64742-94-5	Solvent naphtha (petroleum), heavy arom.	22	1.15%	0.91	0.78	0.54	0.91	0.34	3.54	1		
93858-78-7	2-Phosphonobutane-1,2,4-tricarboxylic acid, potassium salt	21	1.09%	174.61	117.32	178.11	202.50	12.31	352.49	-		
78330-19-5	Alcohols, C7-9-iso-, C8-rich, ethoxylated	21	1.09%	0.91	0.78	0.54	0.91	0.34	3.54	-		
78330-20-8	Alcohols, C9-11-iso-, C10-rich, ethoxylated	21	1.09%	0.91	0.78	0.54	0.91	0.34	3.54	-		
7447-40-7	Potassium chloride	20	1.04%	0.48	0.13	0.47	0.15	0.22	0.67	2		
2836-32-0	Sodium glycolate	19	0.99%	1,103.20	N/A	1,103.20	-	1,103.20	1,103.20	18		
64-02-8	Edetate Sodium	19	0.99%	551.60	N/A	551.60	-	551.60	551.60	18		
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl((ethylphenyl)methyl)dimethyl, chlorides	19	0.99%	405.37	123.57	406.97	166.10	125.10	627.36	-		
10043-35-3	Boric acid	17	0.88%	107.16	102.69	44.49	152.07	1.16	301.97	2		
68476-34-6	Fuels, diesel, no. 2	16	0.83%	360.32	143.08	382.01	201.49	137.13	594.70	-		
1310-58-3	Potassium hydroxide	15	0.78%	414.12	596.32	167.19	289.01	35.66	2,067.88	1		
68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	15	0.78%	203.33	67.08	203.49	83.92	62.55	313.68	-		
67-48-1	Choline chloride	14	0.73%	716.68	1,331.06	95.03	246.38	0.31	4,068.49	-		
7772-98-7	Sodium thiosulfate	13	0.68%	545.84	219.79	505.59	305.01	224.63	935.78	-		
1303-86-2	Boron oxide	12	0.62%	36.42	30.91	18.73	37.21	4.19	98.80	1		
1-52-5**	Short chained glycol ether	10	0.52%	10.85	1.01	10.42	0.94	10.12	12.01	7		
471-34-1	Calcium carbonate	9	0.47%	1,645.23	129.84	1,599.02	187.95	1,507.47	1,879.25	-		
12173-60-3	Illite	9	0.47%	691.18	421.25	552.56	885.41	226.22	1,214.49	-		
1310-14-1	Goethite	9	0.47%	491.05	169.40	449.01	341.53	301.44	718.51	-		
64476-38-6	Apatite-group minerals	9	0.47%	334.27	160.39	285.94	332.35	156.17	539.35	-		
1302-27-8	Biotite	9	0.47%	334.27	160.39	285.94	332.35	156.17	539.35	-		
98072-94-7	Ilmenite (FeTiO3), conc.	9	0.47%	256.04	155.97	204.80	328.05	83.83	449.78	-		

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9025-56-3	Hemicellulase	9	0.47%	0.50	N/A	0.50	-	0.50	0.50	8		
71050-62-9	2-Propenoic acid, polymer with sodium phosphinate (1:1)	8	0.42%	N/A	N/A	N/A	N/A	N/A	N/A	8		
7789-20-0	Deuterium oxide	8	0.42%	523.53	375.01	378.27	637.91	117.71	1,020.45	-		
57-50-1	Sucrose	6	0.31%	N/A	N/A	N/A	N/A	N/A	N/A	6		
75-12-7	Formamide	6	0.31%	25.95	15.82	27.62	10.13	1.80	49.88	-		
68953-58-2	Quaternium-18 bentonite	6	0.31%	2.15	N/A	2.15	-	2.15	2.15	5		
24938-91-8	PEG-10 Tridecyl ether	5	0.26%	N/A	N/A	N/A	N/A	N/A	N/A	5		
141-43-5	Ethanolamine	5	0.26%	63.41	82.73	9.83	143.35	0.02	163.79	-		
7681-52-9	Sodium hypochlorite	5	0.26%	37.62	18.66	46.51	27.61	14.44	57.15	-		
7727-37-9	Nitrogen	4	0.21%	28,149.98	38,765.48	11,188.47	23,237.93	4,180.55	86,042.44	-		
7631-99-4	Sodium nitrate	4	0.21%	3,140.08	470.06	3,186.14	642.69	2,583.69	3,604.37	-		
1303-96-4	Borax	4	0.21%	1,061.62	592.89	1,225.29	440.01	212.77	1,583.13	-		
134509-56-1	Sulfamic acid, N-Bromo, sodium salt	4	0.21%	63.55	17.91	59.38	22.21	48.29	87.13	-		
100765-57-9	Pyridinium, 1-(phenylmethyl)-, alkyl derivs., chlorides	4	0.21%	43.76	9.48	43.87	15.79	34.89	52.42	-		
60-24-2	2-Mercaptoethanol	4	0.21%	22.48	5.15	22.27	7.83	17.44	27.96	-		
25322-69-4	Polypropylene glycol	3	0.16%	9.45	8.40	5.04	7.48	4.17	19.14	-		
9016-45-9	Polyethylene glycol nonylphenyl ether	3	0.16%	6.08	2.81	7.04	2.68	2.92	8.29	-		
42504-46-1	MIPA-Dodecylbenzenesulfonate	3	0.16%	0.14	0.00	0.14	0.00	0.14	0.14	1		
68648-87-3	Alkylate 215	2	0.10%	N/A	N/A	N/A	N/A	N/A	N/A	2		
20786-60-1	Boric acid (H3BO3), potassium salt (1:?)	2	0.10%	N/A	N/A	N/A	N/A	N/A	N/A	2		
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	2	0.10%	N/A	N/A	N/A	N/A	N/A	N/A	2		
9007-33-4	Ethanolamine	2	0.10%	N/A	N/A	N/A	N/A	N/A	N/A	2		
7446-09-5	Sulfur dioxide	2	0.10%	N/A	N/A	N/A	N/A	N/A	N/A	2		
7664-93-9	Sulfuric acid	2	0.10%	N/A	N/A	N/A	N/A	N/A	N/A	2		
57-13-6	Urea	2	0.10%	N/A	N/A	N/A	N/A	N/A	N/A	2		
25085-02-3	Acrylamide/sodium acrylate copolymer	2	0.10%	1,029.10	94.40	1,029.10	66.75	962.35	1,095.85	-		
26038-87-9	Boric acid (H3BO3), compd. with 2-aminoethanol (1:?)	2	0.10%	144.98	N/A	144.98	-	144.98	144.98	1		
39421-75-5	Guaraproplose	2	0.10%	18.61	8.57	18.61	6.06	12.55	24.67	-		
68037-05-8	Poly(oxy-1,2-ethanediyl), alpha-sulfo-omega-hydroxy-, C6-10-alkyl ethers, ammonium salts	2	0.10%	0.26	0.00	0.26	0.00	0.25	0.26	-		
60828-78-6	Tergitol TMN-6	2	0.10%	0.20	0.00	0.20	0.00	0.20	0.20	-		
68439-45-2	Alcohols, C6-12, ethoxylated	2	0.10%	0.18	0.00	0.18	0.00	0.18	0.18	-		
68139-30-0	Cocamidopropyl hydroxysultaine	2	0.10%	0.08	0.00	0.08	0.00	0.08	0.08	-		
5329-14-6	Sulfamic acid	2	0.10%	0.08	0.00	0.08	0.00	0.08	0.08	-		

Table 6-A. Chemical Inventory From 1,921 Pennsylvania FracFocus Chemical Disclosure Forms

CAS Number	Chemical Name (from ChemIDplus Advanced)	Number of Wells that Used Chemical	Percentage of wells that Used Chemical	Mean Volume per Well (gals)	Standard Deviation (gals)	Median Volume Per Well (gals)	Interquartile Range (gals)	Minimum Concentration (gals)	Maximum Concentration (gals)	Number of Wells that Use Chemical with No Concentration Value	Number of Outliers Removed	Range of Volume of Outliers (gals)
68140-01-2	Amides, coco, N-(3-(dimethylamino)propyl)-	2	0.10%	0.04	0.00	0.04	0.00	0.04	0.04	-		
8001-31-8	Coconut oil	2	0.10%	0.04	0.00	0.04	0.00	0.04	0.04	-		
68130-47-2	Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, mono-C8-10-alkyl ethers, phosphates	2	0.10%	0.04	0.00	0.04	0.00	0.04	0.04	-		
106-89-8	Epichlorohydrin	2	0.10%	0.02	0.00	0.02	0.00	0.02	0.02	-		
109-55-7	N,N-Dimethyl-1,3-propanediamine	2	0.10%	0.02	0.00	0.02	0.00	0.02	0.02	-		
7664-38-2	Phosphoric acid	2	0.10%	0.02	0.00	0.02	0.00	0.02	0.02	-		
7681-57-4	Sodium metabisulfite	2	0.10%	0.02	0.00	0.02	0.00	0.02	0.02	-		
64742-88-7	Solvent naphtha (petroleum), medium aliph.	2	0.10%	0.02	0.00	0.02	0.00	0.02	0.02	-		
7775-19-1	Sodium metaborate	1	0.05%	N/A	N/A	N/A	N/A	N/A	N/A	1		
10332-33-9	Sodium perborate monohydrate	1	0.05%	N/A	N/A	N/A	N/A	N/A	N/A	1		
25987-30-8	2-Propenoic acid, polymer with 2-propenamides, sodium salt	1	0.05%	11,873.60	N/A	11,873.60	-	11,873.60	11,873.60	-		
68299-02-5	Acetic acid, 2-hydroxy-, compd. with 2,2',2''-nitrioltris(ethanol) (1:1)	1	0.05%	9,894.62	N/A	9,894.62	-	9,894.62	9,894.62	-		
2687-96-9	1-Dodecyl-2-pyrrolidinone	1	0.05%	3,392.46	N/A	3,392.46	-	3,392.46	3,392.46	-		
75-57-0	Tetramethylammonium chloride	1	0.05%	3,082.04	N/A	3,082.04	-	3,082.04	3,082.04	-		
79-14-1	Hydroxyacetic acid	1	0.05%	2,473.63	N/A	2,473.63	-	2,473.63	2,473.63	-		
13709-94-9	Boric acid (HBO2), potassium salt (1:1)	1	0.05%	442.92	N/A	442.92	-	442.92	442.92	-		
64742-46-7	C13-15 alkane	1	0.05%	26.49	N/A	26.49	-	26.49	26.49	-		
22042-96-2	Wayplex 55S	1	0.05%	18.72	N/A	18.72	-	18.72	18.72	-		
25038-72-6	2-Propenoic acid, methyl ester, polymer with 1,1-dichloroethene	1	0.05%	4.78	N/A	4.78	-	4.78	4.78	-		
139-08-2	Miristalkonium chloride	1	0.05%	2.79	N/A	2.79	-	2.79	2.79	-		
37251-67-5	Oxirane, 2-methyl-, polymer with oxirane, monodecyl ether	1	0.05%	0.72	N/A	0.72	-	0.72	0.72	-		

* Values are given in pounds.

** CAS Numbers could not be verified. Chemical Name is from FracFocus Disclosure Form.