

LANDFILL WATER QUALITY MONITORING REPORT
Connecticut Department of Energy and Environmental Protection
Solid Waste Management Unit, 79 Elm Street, Hartford, 06106

<i>Municipality:</i> Ledyard	<i>Facility Name:</i> Allyn's Point (former Dow Chemical Co.)	<i>Permit No.</i> 072-1L
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<i>Submitted by:</i> Timothy King (Dow Remediation Leader)	<i>Date:</i> 8/26/2015
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Sample Collected by: Tim Bakey, CH2M
Sample Date: 6/15/2015 2015 Annual Submission



Monitor Point: CLW-1 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.0369	mg/L	annual	6
201	AMMONIA (as N)	0.033 J	mg/L	annual	6
204	NITRATE NO ₃	0.199	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	5.2 J	mg/L	annual	6
502	CHLORIDE	3.9	mg/L	annual	6
602	ALKALINITY	6.10	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	45	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL	NA	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLW-2 (Upgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.098	mg/L	annual	6
116	TOTAL MANGANESE	0.0043 J	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.614	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	5.2 J	mg/L	annual	6
502	CHLORIDE	4.3	mg/L	annual	6
602	ALKALINITY	11.0	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	49	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	15	mg/L	annual	6
739	WATER LEVEL	18.96	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLW-3 (Downgradient)

<i>Code</i>	<i>Parameter</i>	<i>Result</i>	<i>Units</i>	<i>Frequency</i>	<i>Month</i>
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.0076 J	mg/L	annual	6
201	AMMONIA (as N)	0.071 J	mg/L	annual	6
204	NITRATE NO ₃	0.071 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	5.2 J	mg/L	annual	6
502	CHLORIDE	3.9	mg/L	annual	6
602	ALKALINITY	6.00	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	23	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL	7.6	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

892	Volatile Organics Summary
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	CLW1	CLW2	CLW3	Units	Method Detection Limits (µg/L)
Chloroform	0.286 J	0.212 J	0.456 J	µg/L	0.162
Carbon tetrachloride	0.313 J	ND	0.642	µg/L	0.134
Ethylbenzene	ND	ND	ND	µg/L	0.168
Styrene	ND	ND	ND	µg/L	0.359

Note:

J – Estimated value greater than method detection limit (MDL) but less than reporting limit (RL).

NA - Not Analyzed

ND - Not Detected

LANDFILL WATER QUALITY MONITORING REPORT
Connecticut Department of Energy and Environmental Protection
Solid Waste Management Unit, 79 Elm Street, Hartford, 06106

Municipality: Ledyard	Facility Name: Allyn's Point (former Dow Chemical Co.)	Permit No. 072-1L
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Submitted by: Timothy King (Dow Remediation Leader)	Date: 8/26/2016
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Sample Collected by: Fred Roche, CH2M
Sample Date: 6/23 -6/24/2016 2016 Annual Submission

Monitor Point: CLMW-1 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.024 J	mg/L	annual	6
116	TOTAL MANGANESE	0.007 J	mg/L	annual	6
201	AMMONIA (as N)	0.040 J	mg/L	annual	6
204	NITRATE NO ₃	0.30	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	5.57	mg/L	annual	6
602	ALKALINITY	5.70	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	46 J	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	18.45	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-2 (Upgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.523	mg/L	annual	6
116	TOTAL MANGANESE	0.0493	mg/L	annual	6
201	AMMONIA (as N)	0.035 J	mg/L	annual	6
204	NITRATE NO ₃	0.094 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	72 J	mg/L	annual	6
502	CHLORIDE	5.01	mg/L	annual	6
602	ALKALINITY	12.0	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	49	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	10	mg/L	annual	6
739	WATER LEVEL (depth)	18.45*	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

*Well purged dry; recovered overnight; and sampled on 6/24.

Monitor Point: CLMW-3 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.020 J	mg/L	annual	6
116	TOTAL MANGANESE	0.0379	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.16	mg/L	annual	6
302	BOD (5 day)	2 UJ	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	4.74	mg/L	annual	6
602	ALKALINITY	3.00	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	38	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	15.83	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

892	Volatile Organics Summary
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	CLW1	CLW2	CLW3	Units	Method Detection Limits (µg/L)
Chloroform	0.672 J	0.264 J	0.198 J	µg/L	0.162
Carbon tetrachloride	1.23	ND	ND	µg/L	0.134
Ethylbenzene	ND	ND	ND	µg/L	0.168
Chloromethane	0.612 J	ND	ND	µg/L	0.149
Styrene	ND	ND	ND	µg/L	0.359
Acetone	8.61	ND	ND	µg/L	1.46

Note:

J – Estimated value greater than method detection limit (MDL) but less than reporting limit (RL).

NA - Not Analyzed

ND - Not Detected

LANDFILL WATER QUALITY MONITORING REPORT
Connecticut Department of Energy and Environmental Protection
Solid Waste Management Unit, 79 Elm Street, Hartford, 06106

Municipality: Ledyard	Facility Name: Allyn's Point (former Dow Chemical Co.)	Permit No. 072-1L
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Submitted by: Timothy King (Dow Remediation Leader)	Date: 7/19/2017
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Sample Collected by: Fred Roche, CH2M
Sample Date: 6/15/2017 2017 Annual Submission

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Monitor Point: CLMW-1 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.0073	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.039 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	4.00	mg/L	annual	6
602	ALKALINITY	5.60	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	37	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	15.70	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-2 (Upgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.102	mg/L	annual	6
116	TOTAL MANGANESE	0.0058	mg/L	annual	6
201	AMMONIA (as N)	0.030 J	mg/L	annual	6
204	NITRATE NO ₃	0.025 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	4.55	mg/L	annual	6
602	ALKALINITY	12.1	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	44	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	36	mg/L	annual	6
739	WATER LEVEL (depth)	17.05	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-3 (Downgradient)

<i>Code</i>	<i>Parameter</i>	<i>Result</i>	<i>Units</i>	<i>Frequency</i>	<i>Month</i>
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.0065	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.20	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	4.07	mg/L	annual	6
602	ALKALINITY	6.30	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	32	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	13.05	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

892	Volatile Organics Summary
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	CLW1	CLW2	CLW3	Units	Method Detection Limits (µg/L)
Chloroform	0.878	ND	0.547 J	µg/L	0.162
Carbon tetrachloride	1.76	ND	0.204 J	µg/L	0.134
Ethylbenzene	ND	ND	ND	µg/L	0.167
Chloromethane	ND	ND	ND	µg/L	0.176
Styrene	ND	ND	ND	µg/L	0.359
Acetone	ND	ND	ND	µg/L	1.46

Note:

J – Estimated value greater than method detection limit (MDL) but less than reporting limit (RL).

NA - Not Analyzed

ND - Not Detected

LANDFILL WATER QUALITY MONITORING REPORT
Connecticut Department of Energy and Environmental Protection
Solid Waste Management Unit, 79 Elm Street, Hartford, 06106

<i>Municipality:</i> Ledyard	<i>Facility Name:</i> Allyn's Point (former Dow Chemical Co.)	<i>Permit No.</i> 072-1L
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<i>Submitted by:</i> Timothy King (Dow Remediation Leader)	<i>Date:</i> 7/2/2018
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Sample Collected by: Maria Vidal, Jacobs

Sample Date: 5/29/18 and 5/31/18 2018 Annual Submission



Monitor Point: CLMW-1 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.014	mg/L	annual	6
201	AMMONIA (as N)	0.028 J	mg/L	annual	6
204	NITRATE NO ₃	0.21	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	34 J	mg/L	annual	6
502	CHLORIDE	3.85	mg/L	annual	6
602	ALKALINITY	5.3	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	40 J	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	15.45	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-2 (Upgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.045 J	mg/L	annual	6
116	TOTAL MANGANESE	ND	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.076 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	3.98	mg/L	annual	6
602	ALKALINITY	12.4	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	13 J	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	18.31	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-3 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	ND	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.33	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	7.2 J	mg/L	annual	6
502	CHLORIDE	3.83	mg/L	annual	6
602	ALKALINITY	7.0	mg/L	annual	6
613	TOTAL DISSOLVED SOLIDS	37	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	12.97	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

892	Volatile Organics Summary
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	CLW1	CLW2	CLW3	Units	Method Detection Limits (µg/L)
Chloroform	0.54 J	ND	0.295 J	µg/L	0.222
Carbon tetrachloride	1.06	ND	0.199 J	µg/L	0.134
Ethylbenzene	ND	ND	ND	µg/L	0.167
Chloromethane	0.20 UJ	ND	ND	µg/L	0.200
Styrene	ND	ND	ND	µg/L	0.359
Acetone	8.61	ND	ND	µg/L	1.46

Note:

J – Estimated value greater than method detection limit (MDL) but less than reporting limit (RL).

NA - Not Analyzed

ND - Not Detected

LANDFILL WATER QUALITY MONITORING REPORT
Connecticut Department of Energy and Environmental Protection
Solid Waste Management Unit, 79 Elm Street, Hartford, 06106

<i>Municipality:</i> Ledyard	<i>Facility Name:</i> Allyn's Point (former Dow Chemical Co.)	<i>Permit No.</i> 072-1L
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<i>Submitted by:</i> Timothy King (Dow Remediation Leader)	<i>Date:</i> 6/21/2019
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Sample Collected by: David Kortjohn, Jacobs Engineering Group, Inc. (Jacobs)
Sample Date: 5/22/19

2019 Annual Submission



Monitor Point: CLMW-1 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.0144	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.098 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	6.6 J	mg/L	annual	6
502	CHLORIDE	3.37	mg/L	annual	6
602	ALKALINITY	2.7	mg/L as CaCO ₃	annual	6
613	TOTAL DISSOLVED SOLIDS	47 J	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	11.46	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-2 (Upgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.0031	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.093 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	3.47	mg/L	annual	6
602	ALKALINITY	11.3	mg/L as CaCO ₃	annual	6
613	TOTAL DISSOLVED SOLIDS	59 J	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	16.09	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-3 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.0034	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.47	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	3.32	mg/L	annual	6
602	ALKALINITY	4.50	mg/L as CaCO ₃	annual	6
613	TOTAL DISSOLVED SOLIDS	43	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	8.62	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

892	Volatile Organics Summary
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	CLMW-1	CLMW-2	CLMW-3	Units	Method Detection Limits (µg/L)
Chloroform	0.419 J	ND	0.478 J	µg/L	0.222
Carbon tetrachloride	0.840	ND	0.920	µg/L	0.134
Ethylbenzene	ND	ND	ND	µg/L	0.167
Chloromethane	ND	ND	ND	µg/L	0.200
Styrene	ND	ND	ND	µg/L	0.359
Acetone	ND	ND	ND	µg/L	1.46

Note:

J – Estimated value greater than method detection limit (MDL) but less than reporting limit (RL).

NA - Not Analyzed

ND - Not Detected

LATEX COMPOST AREA (LANDFILL) WATER QUALITY MONITORING REPORT
Connecticut Department of Energy and Environmental Protection
 Solid Waste Management Unit, 79 Elm Street, Hartford, 06106

Municipality: Ledyard	Facility Name: Allyn's Point (former Dow Chemical Co.)	Permit No. 072-1L
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Submitted by: Jerome Cibrik (Dow Remediation Leader)	Date: 8/31/2020
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Sample Collected by: David Kortjohn, Jacobs Engineering Group, Inc. (Jacobs)
Sample Date: 8/11/2020

2020 Annual Submission

Monitor Point: CLMW-1 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	8
116	TOTAL MANGANESE	0.0046	mg/L	annual	8
201	AMMONIA (as N)	0.079	mg/L	annual	8
204	NITRATE NO ₃	0.230	mg/L	annual	8
302	BOD (5 day)	ND	mg/L	annual	8
303	COD	ND	mg/L	annual	8
502	CHLORIDE	3.08	mg/L	annual	8
602	ALKALINITY	6	mg/L as CaCO ₃	annual	8
613	TOTAL DISSOLVED SOLIDS	78	mg/L	annual	8
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	8
739	WATER LEVEL (depth)	19.89	ft	annual	8
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-2 (Upgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.075	mg/L	annual	8
116	TOTAL MANGANESE	0.0023	mg/L	annual	8
201	AMMONIA (as N)	ND	mg/L	annual	8
204	NITRATE NO ₃	0.081 J	mg/L	annual	8
302	BOD (5 day)	ND	mg/L	annual	8
303	COD	ND	mg/L	annual	8
502	CHLORIDE	2.90	mg/L	annual	8
602	ALKALINITY	12	mg/L as CaCO ₃	annual	8
613	TOTAL DISSOLVED SOLIDS	70	mg/L	annual	8
614	TOTAL SUSPENDED SOLIDS	25	mg/L	annual	8
739	WATER LEVEL (depth)	18.35	ft	annual	8
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-3 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	8
116	TOTAL MANGANESE	0.062	mg/L	annual	8
201	AMMONIA (as N)	ND	mg/L	annual	8
204	NITRATE NO ₃	0.13	mg/L	annual	8
302	BOD (5 day)	ND	mg/L	annual	8
303	COD	ND	mg/L	annual	8
502	CHLORIDE	3.09	mg/L	annual	8
602	ALKALINITY	8	mg/L as CaCO ₃	annual	8
613	TOTAL DISSOLVED SOLIDS	69 J	mg/L	annual	8
614	TOTAL SUSPENDED SOLIDS	7.2	mg/L	annual	8
739	WATER LEVEL (depth)	17.36	ft	annual	8
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

892	Volatile Organics Summary
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	CLMW-1	CLMW-2	CLMW-3	Units	Method Detection Limits (µg/L)
Chloroform	0.322 J	ND	ND	µg/L	0.222
Carbon tetrachloride	0.634	ND	ND	µg/L	0.134
Ethylbenzene	ND	ND	ND	µg/L	0.167
Chloromethane	ND	ND	ND	µg/L	0.200
Styrene	ND	ND	ND	µg/L	0.359
Acetone	ND	ND	ND	µg/L	1.46

Note:

J – Estimated value greater than method detection limit (MDL) but less than reporting limit (RL).

NA - Not Analyzed

ND - Not Detected

LATEX COMPOST AREA (LANDFILL) WATER QUALITY MONITORING REPORT
Connecticut Department of Energy and Environmental Protection
Solid Waste Management Unit, 79 Elm Street, Hartford, 06106

Municipality: Ledyard	Facility Name: Allyn's Point (former Dow Chemical Co.)	Permit No. 072-1L
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Submitted by: Audrey Sidebottom (Dow Remediation Leader)	Date: 7/14/2021
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Sample Collected by: David Kortjohn, Jacobs Engineering Group, Inc. (Jacobs)
Sample Date: 5/18/2021

2021 Annual Submission



Monitor Point: CLMW-1 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.0339 J	mg/L	annual	5
116	TOTAL MANGANESE	0.00622	mg/L	annual	5
201	AMMONIA (as N)	0.096	mg/L	annual	5
204	NITRATE NO ₃	0.150	mg/L	annual	5
302	BOD (5 day)	ND	mg/L	annual	5
303	COD	ND	mg/L	annual	5
502	CHLORIDE	3.01	mg/L	annual	5
602	ALKALINITY	3.70	mg/L as CaCO ₃	annual	5
613	TOTAL DISSOLVED SOLIDS	48 J	mg/L	annual	5
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	5
739	WATER LEVEL (depth)	14.90	ft	annual	5
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-2 (Upgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.158	mg/L	annual	5
116	TOTAL MANGANESE	0.00434	mg/L	annual	5
201	AMMONIA (as N)	ND	mg/L	annual	5
204	NITRATE NO ₃	0.049 J	mg/L	annual	5
302	BOD (5 day)	ND	mg/L	annual	5
303	COD	ND	mg/L	annual	5
502	CHLORIDE	2.49	mg/L	annual	5
602	ALKALINITY	ND	mg/L as CaCO ₃	annual	5
613	TOTAL DISSOLVED SOLIDS	43	mg/L	annual	5
614	TOTAL SUSPENDED SOLIDS	6.7	mg/L	annual	5
739	WATER LEVEL (depth)	18.15	ft	annual	5
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-3 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	5
116	TOTAL MANGANESE	0.00107	mg/L	annual	5
201	AMMONIA (as N)	0.081 J	mg/L	annual	5
204	NITRATE NO ₃	0.42	mg/L	annual	5
302	BOD (5 day)	ND	mg/L	annual	5
303	COD	ND	mg/L	annual	5
502	CHLORIDE	3.14	mg/L	annual	5
602	ALKALINITY	5.60	mg/L as CaCO ₃	annual	5
613	TOTAL DISSOLVED SOLIDS	35	mg/L	annual	5
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	5
739	WATER LEVEL (depth)	12.20	ft	annual	5
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

892	Volatile Organics Summary
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	CLMW-1	CLMW-2	CLMW-3	Units	Method Detection Limits (µg/L)
Chloroform	0.820	ND	0.521 J	µg/L	0.222
Carbon tetrachloride	2.22	ND	0.470 J	µg/L	0.134
Ethylbenzene	ND	ND	ND	µg/L	0.167
Chloromethane	ND	ND	ND	µg/L	0.200
Styrene	ND	ND	ND	µg/L	0.359
Acetone	ND	ND	ND	µg/L	1.46

Note:

J – Estimated value greater than method detection limit (MDL) but less than reporting limit (RL).

NA - Not Analyzed

ND - Not Detected

LATEX COMPOST AREA (LANDFILL) WATER QUALITY MONITORING REPORT
Connecticut Department of Energy and Environmental Protection
 Solid Waste Management Unit, 79 Elm Street, Hartford, 06106

<i>Municipality:</i> Ledyard	<i>Facility Name:</i> Allyn's Point (former Dow Chemical Co.)	<i>Permit No.</i> 072-1L
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<i>Submitted by:</i> Audrey Sidebottom (Dow Remediation Leader)	<i>Date:</i> 8/15/2022
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Sample Collected by: Maria Vidal, Jacobs Engineering Group, Inc. (Jacobs)
Sample Date: 6/16/2022

2022 Annual Submission

Monitor Point: CLMW-1 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	ND	mg/L	annual	6
116	TOTAL MANGANESE	0.00253	mg/L	annual	6
201	AMMONIA (as N)	0.103 J	mg/L	annual	6
204	NITRATE NO ₃	0.21	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	3.36	mg/L	annual	6
602	ALKALINITY	4.80	mg/L as CaCO ₃	annual	6
613	TOTAL DISSOLVED SOLIDS	35	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	17.54	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-2 (Upgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.126	mg/L	annual	6
116	TOTAL MANGANESE	0.00269	mg/L	annual	6
201	AMMONIA (as N)	ND	mg/L	annual	6
204	NITRATE NO ₃	0.042 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	3.08	mg/L	annual	6
602	ALKALINITY	10.2	mg/L as CaCO ₃	annual	6
613	TOTAL DISSOLVED SOLIDS	8.0 J	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	16.91	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

Monitor Point: CLMW-3 (Downgradient)

Code	Parameter	Result	Units	Frequency	Month
113	TOTAL IRON	0.0515	mg/L	annual	6
116	TOTAL MANGANESE	0.04850	mg/L	annual	6
201	AMMONIA (as N)	0.083 J	mg/L	annual	6
204	NITRATE NO ₃	0.086 J	mg/L	annual	6
302	BOD (5 day)	ND	mg/L	annual	6
303	COD	ND	mg/L	annual	6
502	CHLORIDE	3.42	mg/L	annual	6
602	ALKALINITY	4.70 J	mg/L as CaCO ₃	annual	6
613	TOTAL DISSOLVED SOLIDS	41	mg/L	annual	6
614	TOTAL SUSPENDED SOLIDS	ND	mg/L	annual	6
739	WATER LEVEL (depth)	14.95	ft	annual	6
892	VOLATILE ORGANICS	(please refer to summary & attached report)			

892	Volatile Organics Summary
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	CLMW-1	CLMW-2	CLMW-3	Units	Method Detection Limits (µg/L)
Chloroform	0.377 J	0.254 J	ND	µg/L	0.222
Carbon tetrachloride	0.304 J	0.134 UJ	0.134 UJ	µg/L	0.134
Ethylbenzene	ND	ND	ND	µg/L	0.167
Chloromethane	0.2 UJ	0.2 UJ	0.2 UJ	µg/L	0.200
Styrene	ND	ND	ND	µg/L	0.359
Acetone	1.46 UJ	1.46 UJ	1.46 UJ	µg/L	1.46

Note:

J – Estimated value greater than method detection limit (MDL) but less than reporting limit (RL).

NA - Not Analyzed

ND - Not Detected