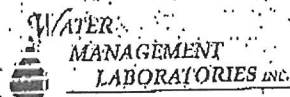


## WATER QUALITY ANALYSES

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Tacoma, WA 98404  
(253) 531-3121

## INORGANIC CHEMICALS (IOCS) REPORT

System ID No: <u>630005</u>	System Name: <u>North Beach Water</u>		
Lab/Sample No: <u>08949713</u>	Date Collected: <u>09-19-13</u>	DOH Source No: <u>New</u>	
Multiple Source Nos: <u>NA</u>	Sample Type: <u>B</u>	Sample Purpose: <u>I</u>	
Date Received: <u>09-19-13</u>	Date Reported: <u>01-27-13</u>	Supervisor: <u>LNC</u>	
County: <u>Pacific</u>	Date Digested: <u>NA</u>	Group: <u>A</u>	B Other
Sample Location: <u>Wiegardt Well 1 (W-1) at Wellhead</u>			
Send Results & Bill To: <u>North Beach Water Dist</u>		Remarks: <u>ATTN: Bill Neal</u>	
<u>PO Box 1218</u>			
<u>Ocean Park, WA 98640</u>			

DOH#	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS		Method/Analyst	
EPA REGULATED							Trigger?	MCL?		
4	Arsenic	0.016	mg/L	0.001	0.01	0.01	YES	YES	200.8	AMB
5	Barium	<0.01	mg/L	0.01	2	2	NO	NO	200.8	AMB
6	Cadmium	<0.005	mg/L	0.0001	0.005	0.005			200.8	AMB
7	Chromium	<0.007	mg/L	0.007	0.1	0.1			200.8	AMB
11	Mercury	<0.0001	mg/L	0.0002	0.002	0.002			200.8	AMB
12	Selenium	<0.002	mg/L	0.002	0.05	0.05			200.8	AMB
110	Beryllium	<0.0001	mg/L	0.0003	0.004	0.004			200.8	AMB
111	Nickel	<0.005	mg/L	0.005	0.1	0.1			200.8	AMB
112	Antimony	<0.003	mg/L	0.003	0.006	0.006			200.8	AMB
113	Thallium	<0.001	mg/L	0.001	0.002	0.002			200.8	AMB
116	Cyanide	<0.0	mg/L	0.01	0.2	0.2			4500 CNF	LCF
19	Fluoride	20.1	mg/L	0.5	2	4			300.0	RL
114	Nitrite - N	20.1	mg/L	0.1	0.5	1			300.0	RL
20	Nitrate - N	20.1	mg/L	0.2	5	10			300.0	RL
161	Total Nitrate/Nitrite	20.1	mg/L	0.5	5	10			300.0	RL
EPA REGULATED (Secondary)										
8	Iron	<0.1	mg/L	0.1	0.3	0.3	NO	NO	3111B	AMB
10	Manganese	<0.01	mg/L	0.01		0.05			200.8	AMB
13	Silver	<0.01	mg/L	0.1		0.1			200.8	AMB
21	Chloride	28	mg/L	20		250			300.0	RL
22	Sulfate	5	mg/L	50		250			300.0	RL
24	Zinc	<0.2	mg/L	0.2	5	5	NO	NO	200.8	AMB
STATE REGULATED										
14	Sodium	17	mg/L	5					200.8	AMB
15	Hardness	52	mg/L	10					2340C	LCF
16	Conductivity	178	umhos/cm	70		700		NO	2510B	LCF
17	Turbidity	0.8	NTU	0.1					2130B	LCF
18	Color	<5.0	color units	15		15		NO	2120B	LCF
26	Total Dissolved Solids	122	mg/L	100		500		NO	2540C	LCF
STATE UNREGULATED										
9	Lead	<0.001	mg/L	0.001					200.8	AMB
23	Copper	<0.02	mg/L	0.02					200.8	AMB

COMMENTS: Fe, Pb, TDS, Calcium, Magnesium, pH, Silica, Potassium, Carbonate, Bi-Carbonate

Lab/Sample No: 08949713

DOH#	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS		Method / Analyst	
OTHER (Optional)							Trigger?	MCL?		
171	Orthophosphate	NA	mg/L	0.1					4500-PD	
172	Silica	34	mg/L	1.0					4500-SiO <sub>2</sub> C	JGH
402	Aluminum	NA	mg/L	0.05					200.8	
403	Alkalinity	↓	mg/L	10					2320B	
404	Magnesium	7.3	mg/L	0.1					3500-MgB	JME
405	Calcium $CaCO_3$	22	mg/L	0.5					3500-CaB	LA7
406	Ammonia	NA	mg/L	1					4500-NH <sub>3</sub> C	
	Potassium	NA	mg/L						3111B	
	Chlorine Residual	ND	mg/L						4500-H+B	JGH
	pH	7.4	Units						2320B	JGH
	Carbonate $(as CaCO_3)$	0	mg/L						2320B	JGH
	BiCarbonate $(as CaCO_3)$	47	mg/L						200.8	JME
	Potassium	6.6	mg/L							

**NOTES:**

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH).

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regional DOH office for further information.

MCL (maximum contaminant level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was not included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

< (0.001): indicates the compound was not detected in the sample at or above the concentration indicated.

**COMMENTS:**

FC28, TDS, Silica, Magnesium, Calcium, pH  
Carbonate, BiCarbonate, Potassium



# WATER MANAGEMENT LABORATORIES INC.

1515 80th St. E.  
Tacoma, WA 98404  
(253) 531-3121

## INORGANIC DISINFECTION BYPRODUCTS (IDBP's) ANALYSIS REPORT EPA TEST METHOD - EPA 300.1

System ID No.: 63000C		System Name: North Beach Water District	
Lab/Sample No. : 08949691		Date Collected: 09-19-13	DOH Source No.: N/A
Multiple Source Nos.: N/A		Sample Type: B	Sample Purpose: I
Date Received: 09-19-13	Date Reported: 09-21-13	Supervisor: <i>DNB</i>	
	Date Analyzed: 09-21-13	Analyst: RL	
County: Pacific		Group: A	
Sample Location: Wiegardt Well 1 (V-1) at Wellhead			
Send To: North Beach Water District, Attn: Bill Neal PO Box 618 Ocean Park, WA 98640			Remarks:

DOH #	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS	
STATE UNREGULATED							Trigger?	MCL?
418	Chlorite	NA	mg/L	0.010		1.00		NA
419	Bromate	ND	mg/L	0.005		0.010		NO
420	Bromide	NA	mg/L	0.020				
	Chlorate	NA	mg/L	0.003				

### NOTES:

SRL (State Reporting Level): Indicates the minimum reporting level determined by the State of Washington.

Trigger Level: DOH Drinking Water response level.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): In the RESULTS column indicates this compound was not included in the current analysis.

ND (Not Detected): In the RESULTS column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

< : Indicates less than.

Comments :

Method 300.1 : IDBP's



# WATER MANAGEMENT LABORATORIES INC.

1515 80th St. E.  
Tacoma, WA 98404  
(253) 531-3121

## VOLATILE ORGANIC CHEMICALS (VOC's) ANALYSIS REPORT EPA TEST METHOD - EPA 524.2 WA DOH TEST PANEL: VOC1

System ID No.: 63000C		System Name: North Beach Water District	
Lab/Sample No.: 08973005		Date Collected: 09/19/13	DOH Source No.: N/A
Multiple Source Nos.: N/A		Sample Type: B	Sample Purpose: I
Date Received: 09/19/13	Date Analyzed: 09/23/13	Analyst: LHL	
	Date Reported: 09/24/13	Supervisor: <i>om3</i>	
County: Pacific		Group: A	
Sample Location: Wiegardt Well #1, Wellhead			
Send To: North Beach Water District, Attn: Bill Neal PO Box 618 Ocean Park, WA 98640			Remarks:

DOH #	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS	
EPA REGULATED							Trigger?	MCL?
45	Vinyl Chloride	ND	ug/L	0.5	0.5	2	NO	NO
46	1,1 - Dichloroethylene	ND	ug/L	0.5	0.5	7	NO	NO
47	1,1,1 - Trichloroethane	ND	ug/L	0.5	0.5	200	NO	NO
48	Carbon Tetrachloride	ND	ug/L	0.5	0.5	5	NO	NO
49	Benzene	ND	ug/L	0.5	0.5	5	NO	NO
50	1,2 - Dichloroethane	ND	ug/L	0.5	0.5	5	NO	NO
51	Trichloroethylene	ND	ug/L	0.5	0.5	5	NO	NO
52	1,4 - Dichlorobenzene	ND	ug/L	0.5	0.5	75	NO	NO
56	Dichloromethane	ND	ug/L	0.5	0.5	5	NO	NO
67	trans-1,2 - Dichloroethylene	ND	ug/L	0.5	0.5	100	NO	NO
60	cis-1,2 - Dichloroethylene	ND	ug/L	0.5	0.5	70	NO	NO
63	1,2 - Dichloropropane	ND	ug/L	0.5	0.5	5	NO	NO
66	Toluene	ND	ug/L	0.5	0.5	1000	NO	NO
67	1,1,2 - Trichloroethane	ND	ug/L	0.5	0.5	5	NO	NO
68	Tetrachloroethylene	ND	ug/L	0.5	0.5	5	NO	NO
71	Chlorobenzene	ND	ug/L	0.5	0.5	100	NO	NO
73	Ethylbenzene	ND	ug/L	0.5	0.5	700	NO	NO
76	Styrene	ND	ug/L	0.5	0.5	100	NO	NO
84	1,2 - Dichlorobenzene	ND	ug/L	0.5	0.5	600	NO	NO
95	1,2,4 - Trichlorobenzene	ND	ug/L	0.5	0.5	70	NO	NO
160	Total Xylenes	ND	ug/L	0.5	0.5	10000	NO	NO
74	m/p Xylenes (MCL for Total)	ND	ug/L	0.5	0.5		NO	
75	o - Xylene (MCL for Total)	ND	ug/L	0.5	0.5		NO	
TRICHALOMETHANES								
27	Chloroform	ND	ug/L	0.5	0.5		NO	
28	Bromodichloromethane	ND	ug/L	0.5	0.5		NO	
29	Chlorodibromomethane	ND	ug/L	0.5	0.5		NO	
30	Bromoform	ND	ug/L	0.5	0.5		NO	
31	TOTAL Trihalomethanes	ND	ug/L	NA	NA	80		NO

Lab/Sample No.: 08973005

VOC ANALYSIS REPORT - METHOD 524.2 page 2

Water Management Laboratories, Inc.

1515 80th St. E.

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DOH #	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS	
EPA UNREGULATED (Continued)							Trigger?	MCL?
53	Chloromethane	ND	ug/L	0.5	0.5		NO	
54	Bromomethane	ND	ug/L	0.5	0.5		NO	
58	1,1 - Dichloroethane	ND	ug/L	0.5	0.5		NO	
72	1,1,1,2 - Tetrachloroethane	ND	ug/L	0.5	0.5		NO	
78	Bromobenzene	ND	ug/L	0.5	0.5		NO	
79	1,2,3 - Trichloropropane (Confirm by 504.1)	ND	ug/L	0.5	0.5		NO	
81	o - Chlorotoluene	ND	ug/L	0.5	0.5		NO	
85	Fluorotrichloromethane	ND	ug/L	0.5	0.5		NO	
86	Bromochloromethane	ND	ug/L	0.5	0.5		NO	
89	1,3,5 - Trimethylbenzene	ND	ug/L	0.5	0.5		NO	
91	1,2,4 - Trimethylbenzene	ND	ug/L	0.5	0.5		NO	
92	s - Butylbenzene	ND	ug/L	0.5	0.5		NO	
93	p - Isopropyltoluene	ND	ug/L	0.5	0.5		NO	
94	n - Butylbenzene	ND	ug/L	0.5	0.5		NO	
96	Naphthalene	ND	ug/L	0.5	0.5		NO	
102	EDB (Confirm by 504.1)	ND	ug/L	0.5	0.5		NO	
103	DBCP (Confirm by 504.1)	ND	ug/L	0.5	0.5		NO	
162	Dichlorodifluoromethane	ND	ug/L	0.5	0.5		NO	
N/A	MTBE	ND	ug/L	0.5	0.5		NO	

**NOTES:**

SRL (State Reporting Level): Indicates the minimum reporting level required by the Washington Department of Health (DOH).

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level may need to take additional samples. Contact your regional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): In the RESULTS column indicates this compound was not included in the current analysis.

ND (Not Detected): In the RESULTS column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

&lt;: Indicates less than.

Comments:

Method 524.2: VOC's





# WATER MANAGEMENT LABORATORIES INC.

1515 80th St. E.  
Tacoma, WA 98404  
(253) 531-3121

## SYNTHETIC ORGANIC CHEMICALS (SOC's) ANALYSIS REPORT

EPA TEST METHOD - EPA 531.2

WA DOH TEST PANEL: INSECT 1

System ID No.: 63000C		System Name: North Beach Water District	
Lab/Sample No.: 08982653		Date Collected: 09/19/13	DOH Source No.: N/A
Multiple Source Nos.: N/A		Sample Type: B	Sample Purpose: I
Date Received: 09/19/13	Date Analyzed: 09/26/13	Analyst: LHL	
	Date Reported: 09/27/13	Supervisor: <i>mb</i>	
County: Pacific		Group: A	
Sample Location: Wiegardt Well #1, Wellhead (New)			
Send To: North Beach Water District, Attn: Bill Neal PO Box 618 Ocean Park, WA 98640			Remarks:

DOH #	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS	
EPA REGULATED							Trigger?	MCL?
146	Carbofuran	ND	ug/L	2.0	2.0	40	NO	NO
148	Oxamyl	ND	ug/L	10.0	10.0	200	NO	NO
142	Aldicarb	ND	ug/L	1.0	1.0	3	NO	NO
143	Aldicarb Sulfone	ND	ug/L	0.7	0.7	2	NO	NO
144	Aldicarb Sulfoxide	ND	ug/L	1.8	1.8	4	NO	NO
EPA UNREGULATED								
145	Carbaryl	ND	ug/L	2.0	2.0		NO	
147	Methomyl	ND	ug/L	1.0	4.0		NO	

### NOTES:

SRL (State Reporting Level): Indicates the minimum reporting level required by the Washington Department of Health (DOH).

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level may need to take additional samples. Contact your regional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): In the RESULTS column indicates this compound was not included in the current analysis.

ND (Not Detected): In the RESULTS column indicates this compound was analyzed and not detected at a level greater than the SRL.

< : Indicates less than.

Comments:

Method 531.2: CARBAMATES



# WATER MANAGEMENT LABORATORIES INC.

1515 80th St. E.  
Tacoma, WA 98404  
(253) 531-3121

## SYNTHETIC ORGANIC CHEMICALS (SOC's) ANALYSIS REPORT EPA TEST METHOD - EPA 515.1 WA DOH TEST PANEL: HERB1

System ID No.: 63000C		System Name: North Beach Water District	
Lab/Sample No.: 08982653		Date Collected: 09-19-13	DOH Source No.: N/A
Multiple Source Nos.: N/A		Sample Type: B	Sample Purpose: I
Date Received: 09-19-13	Date Analyzed: 09-26-13	Analyst: RL	
Date Extracted: 09-25-13	Date Reported: 09-27-13	Supervisor: <i>MS</i>	
County: Pacific		Group: A	
Sample Location: Wiegardt Well #1 (W - 1) at Wellhead (New)			
Send To: North Beach Water District, Attn: Bill Neal PO Box 618 Ocean Park, WA 98640			Remarks:

DOH #	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS	
EPA REGULATED							Trigger?	MCL?
37	2,4 - D	ND	ug/L	0.5	0.5	70	NO	NO
38	2,4,5 - TP (Silvex)	ND	ug/L	1.0	1.0	50	NO	NO
134	Pentachlorophenol	ND	ug/L	0.20	0.20	1	NO	NO
137	Dalapon	ND	ug/L	5.0	5.0	200	NO	NO
139	Dinoseb	ND	ug/L	1.0	1.0	7	NO	NO
140	Picloram	ND	ug/L	0.5	0.5	500	NO	NO
EPA UNREGULATED								
135	2,4 - DB	ND	ug/L	1.0				
138	Dicamba	ND	ug/L	0.2				
223	Acifluorfen	ND	ug/L	2.0				
224	Chloramben	ND	ug/L	0.2				
225	DCPA Acid Metabolites (A)	ND	ug/L	0.1				
226	3,5-Dichlorobenzoic Acid	ND	ug/L	0.5				
228	4 - Nitrophenol	ND	ug/L	0.5				

### NOTES:

SRL (State Reporting Level): Indicates the minimum reporting level required by the Washington Department of Health (DOH).

Trigger Level: DOH Drinking Water response level.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): In the RESULTS column indicates this compound was not included in the current analysis.

ND (Not Detected): In the RESULTS column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

< : Indicates less than.

Comments:

Method 515.1: Herbicides





# WATER MANAGEMENT LABORATORIES INC.

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Tacoma, WA 98404  
(253) 531-3121

## SYNTHETIC ORGANIC CHEMICALS (SOC's) ANALYSIS REPORT

EPA TEST METHOD - EPA 525.2  
WA DOH TEST PANEL: PEST1

System ID No.: 63000C		System Name: North Beach Water District	
Lab/Sample No.: 08982653		Date Collected: 09/19/13	DOH Source No.: N/A
Multiple Source Nos.: N/A		Sample Type: B	Sample Purpose: I
Date Received: 09/19/13	Date Analyzed: 09/23/13	Analyst: LHL	
Date Extracted: 09/19/13	Date Reported: 09/25/13	Supervisor: <i>OWB</i>	
County: Pacific		Group: A	
Sample Location: Wiegardt Well #1, Wallhead (New)			
Send To: North Beach Water District, Attn: Bill Neal PO Box 618 Ocean Park, WA 98640			Remarks:

DOH #	ANALYTES	RESULTS	UNITS	SRL	TRIGGER	MCL	EXCEEDS	
EPA REGULATED							Trigger?	MCL?
33	Endrin	ND	ug/L	0.05	0.05	2	NO	NO
34	Lindane (BHC-gamma)	ND	ug/L	0.04	0.04	0.2	NO	NO
35	Methoxychlor	ND	ug/L	10	10	40	NO	NO
36	Toxaphene	ND	ug/L	1	1	3	NO	NO
117	Alachlor	ND	ug/L	0.4	0.4	2	NO	NO
119	Atrazine	ND	ug/L	0.5	0.5	3	NO	NO
120	Benzo(a)pyrene	ND	ug/L	0.04	0.04	0.2	NO	NO
122	Chlordane (total)	ND	ug/L	0.4	0.4	2	NO	NO
124	Di(ethylhexyl)adipate	ND	ug/L	1.3	1.3	400	NO	NO
125	Di(ethylhexyl)phthalate	ND	ug/L	1.3	1.3	6	NO	NO
126	Heptachlor	ND	ug/L	0.09	0.09	0.4	NO	NO
127	Heptachlor epoxide	ND	ug/L	0.1	0.1	0.2	NO	NO
128	Hexachlorobenzene	ND	ug/L	0.5	0.5	1	NO	NO
129	Hexachlorocyclopentadiene	ND	ug/L	0.5	0.5	50	NO	NO
133	Simazine	ND	ug/L	0.15	0.15	4	NO	NO
134	Pentachlorophenol	ND	ug/L	0.2	0.2	1	NO	NO
153	PCB (as total arochlors)	ND	ug/L	0.2			NA	NA
173	Arochlor 1221	ND	ug/L	100			NA	NA
174	Arochlor 1232	ND	ug/L	2.5			NA	NA
175	Arochlor 1242	ND	ug/L	1.5			NA	NA
176	Arochlor 1248	ND	ug/L	0.5			NA	NA
177	Arochlor 1254	ND	ug/L	0.5			NA	NA
178	Arochlor 1260	ND	ug/L	1.0			NA	NA
180	Arochlor 1016	ND	ug/L	0.4			NA	NA
EPA UNREGULATED								
121	Butachlor	ND	ug/L	0.4			NA	NA
123	Dieldrin	ND	ug/L	0.1			NA	NA
130	Metolachlor	ND	ug/L	1			NA	NA
131	Metribuzin	ND	ug/L	0.2			NA	NA
132	Propachlor	ND	ug/L	0.1			NA	NA
254	Fluorene	ND	ug/L	0.2			NA	NA
179	Bromacil	ND	ug/L	0.2			NA	NA