LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061818\
Data File : VX002688.D
Acq On : 18 Jun 2018 19:14
Operator : JC/MD
Sample : J3522-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TPTW-01

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.453	301	306	310	rBV	23966	43420	1.72%	0.325%
2	2.624	329	334	343	rBV	55091	106084	4.20%	0.793%
3	3.081	403	409	419	rVB	46690	108149	4.28%	0.808%
4	3.209	422	430	442	rVB	206888	497211	19.68%	3.716%
5	5.026	714	728	744	rBV2	95088	285270	11.29%	2.132%
6	6.074	889	900	907	rBV	98038	264049	10.45%	1.973%
7	6.147	907	912	929	rVB2	70214	180591	7.15%	1.350%
8	6.458	945	963	975	rVB2	25293	90870	3.60%	0.679%
9	6.867	1020	1030	1042	rBV	223797	526698	20.85%	3.936%
10	8.659	1318	1324	1328	rBV	48218	77681	3.08%	0.581%
11	8.720	1328	1334	1340	rVV	470306	718865	28.46%	5.373%
12	8.787	1340	1345	1359	rVB	744606	1142606	45.23%	8.540%
13	9.110	1390	1398	1411	rBV	45185	73570	2.91%	0.550%
14	10.116	1553	1563	1577	rBV	465491	636009	25.18%	4.753%
15	10.256	1580	1586	1592	rBV	319415	407465	16.13%	3.045%
16	10.360	1597	1603	1611	rVV	1914185	2526117	100.00%	18.880%
17	10.701	1654	1659	1670	rVB	1327006	1670807	66.14%	12.487%
18	11.018	1707	1711	1718	rVB	34042	48906	1.94%	0.366%
19	11.140	1726	1731	1737	rBV	423820	529471	20.96%	3.957%
20	11.366	1760	1768	1772	rBV	56659	77943	3.09%	0.583%
21	11.439	1774	1780	1787	rVV	135095	226621	8.97%	1.694%
22	11.512	1787	1792	1799	rVB	102007	130341	5.16%	0.974%
23	11.671	1813	1818	1823	rBV	155890	196032	7.76%	1.465%
24	11.811	1836	1841	1847	rVB	306048	353809	14.01%	2.644%
25	12.146	1891	1896	1901	rBV	299262	358405	14.19%	2.679%
26	12.274	1913	1917	1918	rBV	83370	86079	3.41%	0.643%
27	12.305	1918	1922	1930	rVV	316939	428022	16.94%	3.199%
28	12.378	1930	1934	1943	rVB3	27412	53566	2.12%	0.400%
29	12.469	1944	1949	1954	rBV2	26988	39927	1.58%	0.298%
30	12.524	1954	1958	1964	rVB	18804	28340	1.12%	0.212%
31	12.671	1978	1982	1986	rBV	70470	81672	3.23%	0.610%
32	12.762	1992	1997	2004	rVB2	53484	77964	3.09%	0.583%
33	12.908	2016	2021	2026	rBV2	34503	47271	1.87%	0.353%
34	12.975	2026	2032	2037	rVV3	67544	119034	4.71%	0.890%

LSC Area Percent Report

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Operator : JC/MD
Sample : J3522-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TPTW-01

Integration Parameters: RTEINT3.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

35	13.024	2037	2040	2045	rVB	30609	36631	1.45%	0.274%
36	13.231	2066	2074	2078	rBV	46438	61082	2.42%	0.457%
37	13.353	2083	2094	2099	rBV2	128212	188094	7.45%	1.406%
38	13.481	2110	2115	2121	rVB	25707	36071	1.43%	0.270%
39	13.573	2125	2130	2134	rBV	62698	88504	3.50%	0.661%
40	13.646	2138	2142	2149	rVV6	16927	31634	1.25%	0.236%
41	13.725	2149	2155	2162	rVV4	14126	29073	1.15%	0.217%
42	13.841	2169	2174	2182	rVB	376037	493924	19.55%	3.692%
43	14.701	2311	2315	2320	rVB	55508	68349	2.71%	0.511%
44	14.847	2334	2339	2347	rBV	82244	107807	4.27%	0.806%

Sum of corrected areas: 13380034

LSC Report - Integrated Chromatogram

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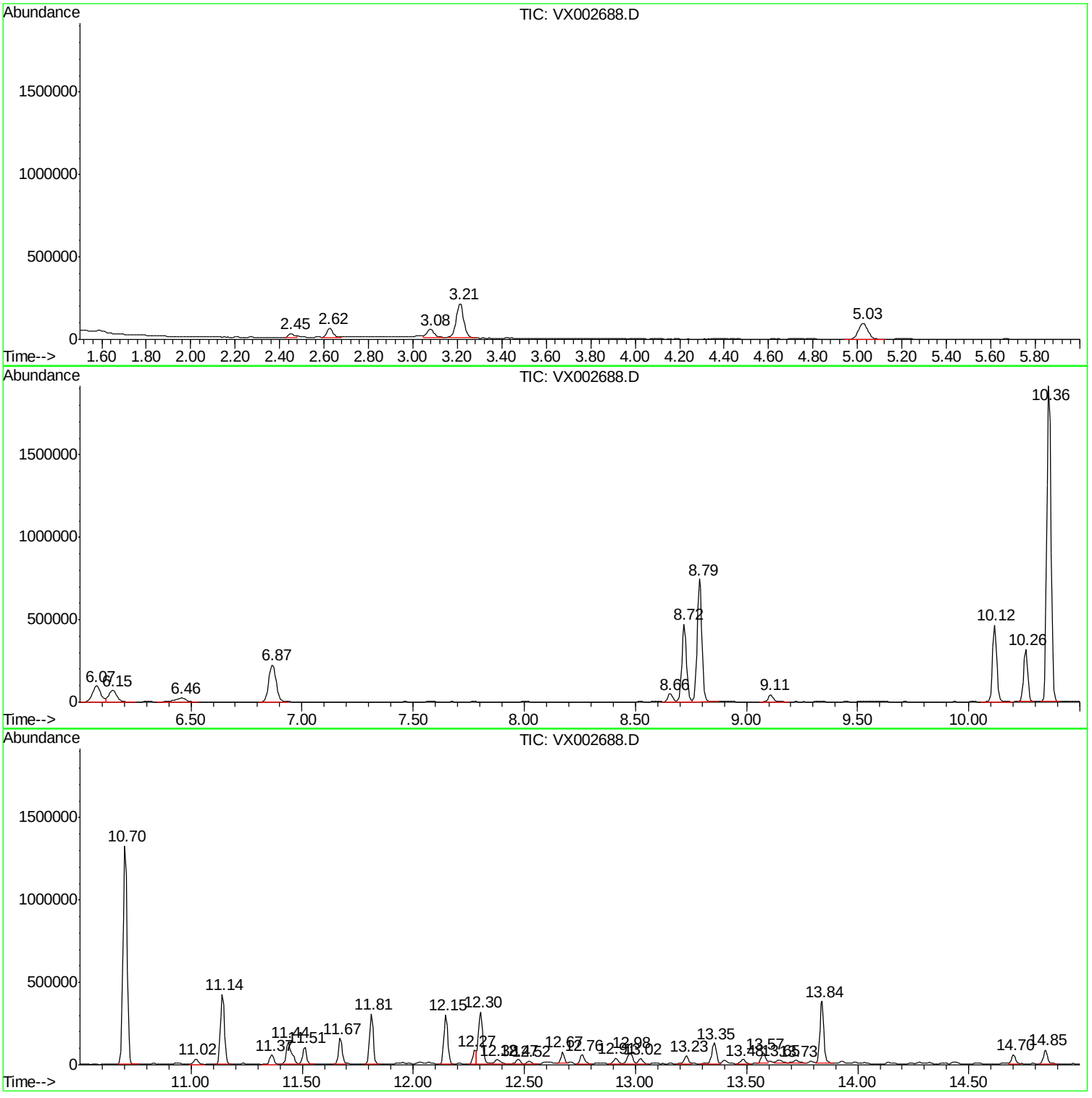
Data File : VX002688.D
Acq On : 18 Jun 2018 19:14
Operator : JC/MD
Sample : J3522-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TPTW-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061818\
Data File : VX002688.D
Acq On : 18 Jun 2018 19:14
Operator : JC/MD
Sample : J3522-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TPTW-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	5.18 ug/l	90870	1,4-Difluorobenzene	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
3	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	23
4	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	12
5	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	12

****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	10.69 ug/l	226621	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94

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Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	16.91 ug/l	358405	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91

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Peak Number 4 1-Hexanol, 2-ethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX061818\
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Operator : JC/MD
Sample : J3522-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TPTW-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	4.06 ug/l	86079	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	78
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	72
5	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50

****

Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	20.19 ug/l	428022	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72

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Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	5.61 ug/l	119034	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	78
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	70
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	60
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	60

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Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	8.87 ug/l	188094	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Acq On : 18 Jun 2018 19:14
Operator : JC/MD
Sample : J3522-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
ClientSampleId : TPTW-01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6 95
2	1-Phenyl-1-butene	132	C10H12	000824-90-8 81
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1 81
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9 81
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6 76

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Peak Number 8 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.57	4.17 ug/l	88504	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	98
3	Camphor	152	C10H16O	000076-22-2	98
4	Camphor	152	C10H16O	000076-22-2	97
5	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-49-3	97

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Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	5.09 ug/l	107807	Chlorobenzene-d5	10.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91

Tentatively Identified Compound (LSC) summary

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Operator : JC/MD
Sample : J3522-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument : MSVOA_X
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X061818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	6.46	5.2	ug/l	90870	2	6.87	526698	30.0
Benzene, 1-ethyl-...	11.44	10.7	ug/l	226621	3	10.12	636009	30.0
Benzene, 1,2,3-tr...	12.15	16.9	ug/l	358405	3	10.12	636009	30.0
1-Hexanol, 2-ethyl-	12.27	4.1	ug/l	86079	3	10.12	636009	30.0
Indane	12.30	20.2	ug/l	428022	3	10.12	636009	30.0
Benzene, 1,2,3,4-...	12.98	5.6	ug/l	119034	3	10.12	636009	30.0
Benzene, 2-etheny...	13.35	8.9	ug/l	188094	3	10.12	636009	30.0
Bicyclo[2.2.1]hep...	13.57	4.2	ug/l	88504	3	10.12	636009	30.0
Naphthalene, 1-me...	14.85	5.1	ug/l	107807	3	10.12	636009	30.0