LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
Data File : VN051153.D
Acq On : 12 Sep 2018 17:01
Operator : MD\SY
Sample : J4882-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 28570

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_N\METHODS\82N091018W.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.821	619	637	651	rBV	184979	499071	12.64%	0.910%
2	4.072	696	715	741	rVB2	27454	85160	2.16%	0.155%
3	6.841	1554	1576	1612	rBV	183555	572342	14.50%	1.044%
4	7.214	1670	1692	1736	rBV	523893	1475719	37.38%	2.691%
5	7.590	1788	1809	1820	rBV	442340	1080996	27.38%	1.971%
6	7.664	1820	1832	1854	rVB	665655	1605424	40.66%	2.927%
7	8.027	1927	1945	1968	rBV	404105	970202	24.57%	1.769%
8	8.294	1988	2028	2031	rBV2	55096	287849	7.29%	0.525%
9	8.586	2103	2119	2147	rBV	921856	1909178	48.36%	3.481%
10	10.091	2570	2587	2598	rBV	1611016	2951260	74.75%	5.381%
11	10.156	2598	2607	2631	rVB	772611	1469034	37.21%	2.678%
12	11.410	2980	2997	3017	rBV	1164206	2084586	52.80%	3.801%
13	11.509	3018	3028	3045	rVB2	46948	92959	2.35%	0.169%
14	11.619	3045	3062	3083	rBV	270596	572735	14.51%	1.044%
15	11.946	3144	3164	3181	rBV	456672	808196	20.47%	1.474%
16	12.249	3249	3258	3267	rBV	27686	44516	1.13%	0.081%
17	12.403	3294	3306	3327	rVB	1036434	1759509	44.57%	3.208%
18	12.590	3357	3364	3373	rVB	43224	68110	1.73%	0.124%
19	12.654	3373	3384	3390	rBV	424560	709295	17.97%	1.293%
20	12.686	3391	3394	3401	rVV	311885	435887	11.04%	0.795%
21	12.731	3401	3408	3420	rVB	540375	858310	21.74%	1.565%
22	12.892	3445	3458	3472	rBV	778117	1273749	32.26%	2.322%
23	13.040	3494	3504	3515	rVB	639125	1018410	25.79%	1.857%
24	13.168	3531	3544	3552	rBV4	53519	106225	2.69%	0.194%
25	13.236	3553	3565	3574	rVV	216994	367354	9.30%	0.670%
26	13.287	3574	3581	3587	rVV2	62854	95958	2.43%	0.175%
27	13.345	3587	3599	3603	rVV	1120747	1828783	46.32%	3.334%
28	13.374	3604	3608	3619	rVV	1146665	1603247	40.61%	2.923%
29	13.448	3621	3631	3642	rVV	353073	589969	14.94%	1.076%
30	13.544	3643	3661	3668	rVV	1352987	2467027	62.49%	4.498%
31	13.583	3668	3673	3690	rVB2	469800	767281	19.43%	1.399%
32	13.673	3691	3701	3709	rVV4	237661	387755	9.82%	0.707%
33	13.741	3713	3722	3732	rVV	290312	481285	12.19%	0.878%
34	13.802	3733	3741	3745	rVV	174810	262680	6.65%	0.479%

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Sample : J4882-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 28570

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Title : SW846 8260

35	13.831	3746	3750	3759	rVV	197615	279527	7.08%	0.510%
36	13.889	3759	3768	3777	rVV	481507	717792	18.18%	1.309%
37	13.946	3777	3786	3792	rVV	185845	292205	7.40%	0.533%
38	13.995	3792	3801	3812	rVB	757343	1219662	30.89%	2.224%
39	14.126	3833	3842	3850	rBV2	246343	417602	10.58%	0.761%
40	14.210	3861	3868	3873	rBV	217702	335347	8.49%	0.611%
41	14.249	3874	3880	3888	rVB	415900	614765	15.57%	1.121%
42	14.297	3888	3895	3900	rBV2	112833	149785	3.79%	0.273%
43	14.332	3901	3906	3915	rVB3	88854	122334	3.10%	0.223%
44	14.477	3942	3951	3959	rBV	630269	964197	24.42%	1.758%
45	14.525	3960	3966	3974	rVB2	327324	439338	11.13%	0.801%
46	14.593	3974	3987	3998	rBV3	2060597	3948183	100.00%	7.199%
47	14.657	3998	4007	4018	rVB4	443760	824514	20.88%	1.503%
48	14.741	4022	4033	4048	rVB	1744123	2803703	71.01%	5.112%
49	14.850	4058	4067	4073	rBV4	392531	645500	16.35%	1.177%
50	14.959	4091	4101	4118	rVB3	426073	928139	23.51%	1.692%
51	15.191	4164	4173	4181	rBV	404271	621710	15.75%	1.134%
52	15.261	4182	4195	4210	rVV3	352959	1038941	26.31%	1.894%
53	15.332	4211	4217	4229	rVB4	244901	384074	9.73%	0.700%
54	15.416	4233	4243	4257	rBV	335007	669191	16.95%	1.220%
55	15.554	4276	4286	4290	rBV2	340437	636585	16.12%	1.161%
56	15.615	4298	4305	4312	rBV	616141	898207	22.75%	1.638%
57	15.699	4326	4331	4340	rVB3	140980	219025	5.55%	0.399%
58	15.773	4344	4354	4375	rVB3	300928	841334	21.31%	1.534%
59	15.914	4385	4398	4410	rBV	742497	1555890	39.41%	2.837%
60	16.104	4449	4457	4466	rVB5	246214	450043	11.40%	0.821%
61	16.162	4469	4475	4487	rVB3	204032	359247	9.10%	0.655%
62	16.355	4524	4535	4549	rBV7	189184	571027	14.46%	1.041%
63	16.609	4607	4614	4626	rVB3	158331	308169	7.81%	0.562%

Sum of corrected areas: 54846097

LSC Report - Integrated Chromatogram

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Sample : J4882-01
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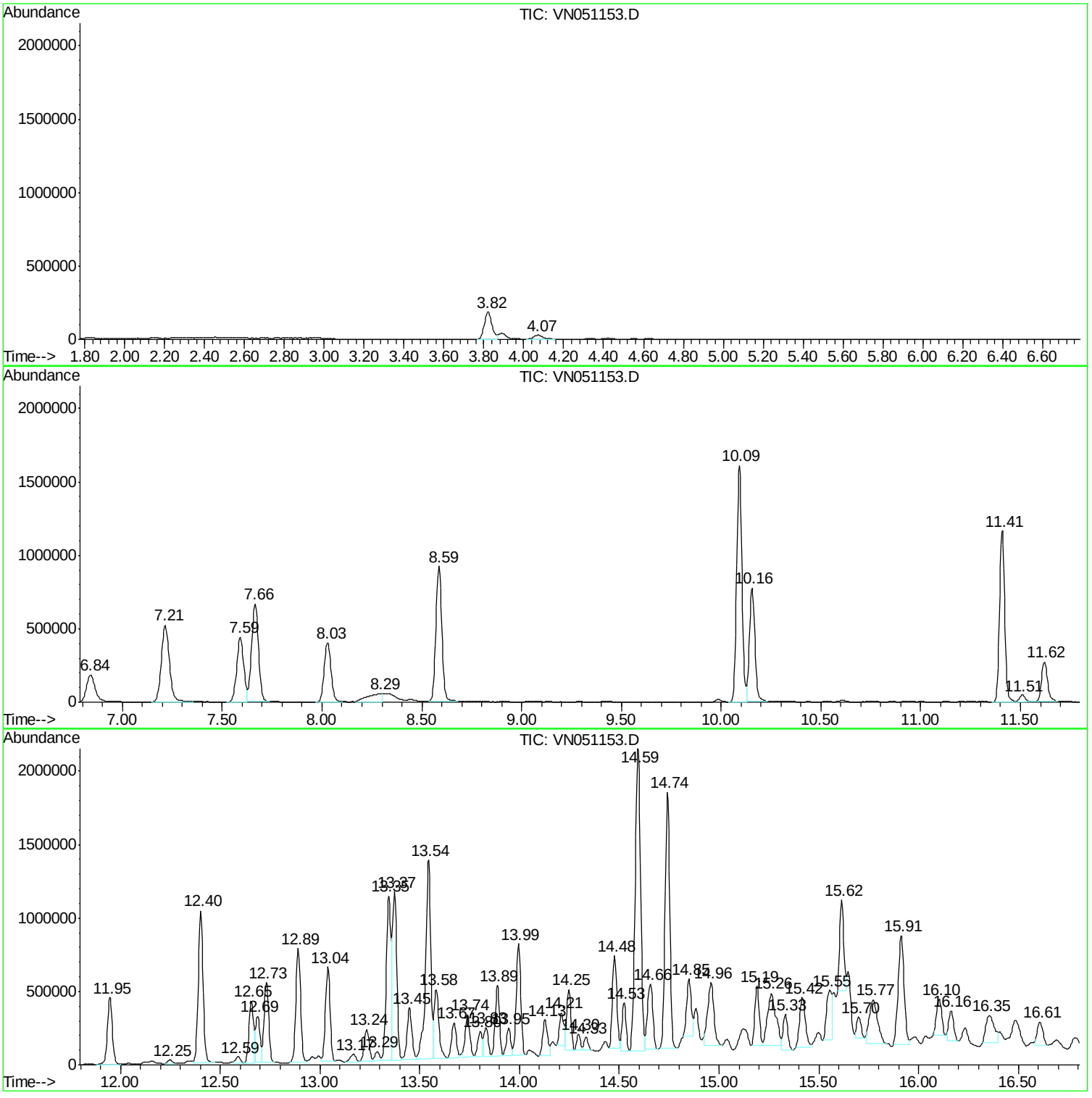
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 28570

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091218\
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	34.83 ug/l	1273750	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91

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Peak Number 2 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.54	67.45 ug/l	2467030	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	89
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	76
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
5	Deltacyclene	118	C9H10	007785-10-6	62

****

Peak Number 3 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.99	33.35 ug/l	1219660	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
2	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	74
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70

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Peak Number 4 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 8

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091218\
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Acq On : 12 Sep 2018 17:01
Operator : MD\SY
Sample : J4882-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 28570

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

14.48	26.36 ug/l	964197	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72

****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	107.95 ug/l	3948180	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	87
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81

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Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	76.65 ug/l	2803700	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2	Indan, epoxide	132	C9H8O	000768-22-9	50
3	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	38
4	Naphthalene, 1,4,5,8-tetrahydro-	132	C10H12	000493-04-9	38
5	3(2H)-Furanone, dihydro-2,2-dime...	190	C12H14O2	063678-00-2	38

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Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	25.38 ug/l	928139	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_N
ClientSampleId : 28570

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
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TIC Integration Parameters: LSCINT.P

1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	81
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81

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Peak Number 8 Benzene, (3-methyl-2-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	28.41 ug/l	1038940	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	95
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	95
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	94
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87

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Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	24.56 ug/l	898207	1,4-Dichlorobenzene-d4	13.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	92
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	87
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	46
4	1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	43
5	2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	38

Tentatively Identified Compound (LSC) summary

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Quant Title : SW846 8260

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	12.89	34.8	ug/l	1273750	4	13.35	1828780	50.0
Indane	13.54	67.5	ug/l	2467030	4	13.35	1828780	50.0
Benzene, 1-etheny...	13.99	33.4	ug/l	1219660	4	13.35	1828780	50.0
1H-Indene, 2,3-di...	14.48	26.4	ug/l	964197	4	13.35	1828780	50.0
Benzene, 2-etheny...	14.59	108.0	ug/l	3948180	4	13.35	1828780	50.0
Naphthalene, 1,2,...	14.74	76.7	ug/l	2803700	4	13.35	1828780	50.0
1H-Indene, 2,3-di...	14.96	25.4	ug/l	928139	4	13.35	1828780	50.0
Benzene, (3-methy...	15.26	28.4	ug/l	1038940	4	13.35	1828780	50.0
Naphthalene, 1,2,...	15.62	24.6	ug/l	898207	4	13.35	1828780	50.0