LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112421\
Data File : VU045990.D
Acq On : 24 Nov 2021 13:27
Operator : SY/MD
Sample : M4722-08DL 50X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0G48DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\Method\SFAMUTR111521WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU045990.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.601	74	81	94	rBV2	39961	44310	6.12%	0.798%
2	1.916	171	179	193	rBV	41924	53553	7.40%	0.964%
3	1.999	195	205	219	rVB	75924	102414	14.15%	1.844%
4	2.208	261	270	283	rVB3	9434	14441	2.00%	0.260%
5	2.472	343	352	365	rVB2	7571	11712	1.62%	0.211%
6	2.572	371	383	401	rBV	72812	120488	16.65%	2.170%
7	3.047	512	531	537	rBV6	12539	30629	4.23%	0.552%
8	3.086	538	543	552	rVV3	17002	31710	4.38%	0.571%
9	3.141	552	560	588	rVB2	15933	34036	4.70%	0.613%
10	3.366	614	630	645	rBV	15470	33511	4.63%	0.603%
11	4.536	978	994	1009	rBV	28063	65615	9.07%	1.182%
12	4.662	1011	1033	1099	rBV	49247	260789	36.04%	4.696%
13	5.067	1143	1159	1176	rBV	85006	190868	26.38%	3.437%
14	5.391	1244	1260	1274	rBV4	13380	31708	4.38%	0.571%
15	5.462	1274	1282	1299	rVB5	3721	8668	1.20%	0.156%
16	5.597	1314	1324	1335	rBV5	4199	8639	1.19%	0.156%
17	5.729	1344	1365	1371	rBV2	170936	428804	59.26%	7.722%
18	5.777	1372	1380	1395	rVB	363783	723651	100.00%	13.032%
19	5.903	1412	1419	1436	rVB8	8731	23040	3.18%	0.415%
20	5.986	1436	1445	1464	rVB10	3481	10248	1.42%	0.185%
21	6.250	1512	1527	1543	rBV	113116	216485	29.92%	3.899%
22	6.694	1652	1665	1679	rBV	107967	215016	29.71%	3.872%
23	6.764	1679	1687	1701	rVB6	9332	19687	2.72%	0.355%
24	7.182	1801	1817	1828	rBV5	6506	15336	2.12%	0.276%
25	7.568	1925	1937	1954	rVB	41999	71688	9.91%	1.291%
26	7.899	2021	2040	2054	rBV	202151	360702	49.84%	6.496%
27	7.973	2054	2063	2075	rVB	29703	50889	7.03%	0.916%
28	8.182	2117	2128	2142	rBV	26477	43634	6.03%	0.786%
29	8.639	2257	2270	2314	rBV	290689	640460	88.50%	11.534%
30	9.420	2501	2513	2530	rBV	159857	274310	37.91%	4.940%
31	9.571	2547	2560	2584	rVB	139939	235122	32.49%	4.234%
32	9.697	2590	2599	2615	rVB2	14807	25841	3.57%	0.465%
33	10.488	2835	2845	2857	rVB	8168	13192	1.82%	0.238%
34	10.758	2917	2929	2945	rBV2	101256	161045	22.25%	2.900%
35	10.906	2962	2975	2991	rVB3	22017	37294	5.15%	0.672%
36	11.025	2997	3012	3024	rVB2	6861	11470	1.59%	0.207%

LSC Area Percent Report

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Operator : SY/MD
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0G48DL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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_U\Method\SFAMUTR111521WMA.M
Title : TRACE VOA SFAM1.0

37	11.291	3084	3095	3106	rBV	7454	10936	1.51%	0.197%
38	11.812	3246	3257	3274	rVB	170399	268800	37.14%	4.841%
39	12.095	3333	3345	3363	rBV2	59281	94015	12.99%	1.693%
40	12.195	3363	3376	3390	rVB	222953	362180	50.05%	6.522%
41	12.314	3400	3413	3422	rVB3	4597	7398	1.02%	0.133%
42	12.571	3483	3493	3501	rBV	18156	25716	3.55%	0.463%
43	12.681	3518	3527	3539	rVB	25530	39023	5.39%	0.703%
44	12.973	3609	3618	3627	rBV	10382	14032	1.94%	0.253%
45	13.295	3708	3718	3733	rVB2	14121	20867	2.88%	0.376%
46	13.455	3758	3768	3781	rVB3	30498	48107	6.65%	0.866%
47	14.086	3952	3964	3978	rBV	18087	28519	3.94%	0.514%
48	14.208	3993	4002	4015	rVB	8831	12390	1.71%	0.223%

Sum of corrected areas: 5552988

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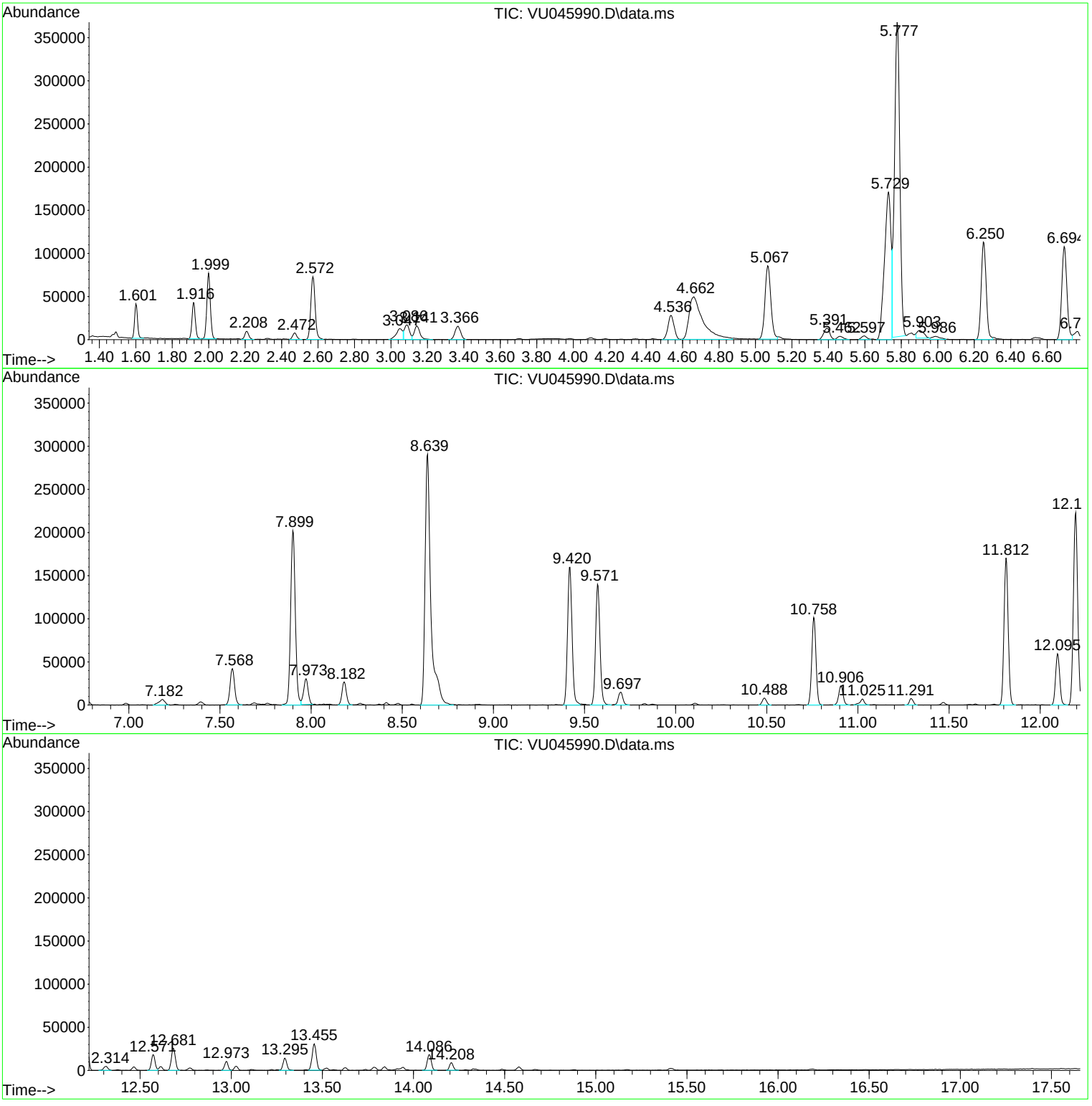
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0G48DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.999	2.37 ug/L	102414	1,4-Difluorobenzene	6.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	87
2	Butane, 2-methyl-	72	C5H12	000078-78-4	80
3	3-Buten-1-ol	72	C4H8O	000627-27-0	37
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	35
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	33

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.086	0.73 ug/L	31710	1,4-Difluorobenzene	6.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	50
2	Pentane	72	C5H12	000109-66-0	9
3	Pentane	72	C5H12	000109-66-0	9
4	Butanal, 2,2-dimethyl-	100	C6H12O	002094-75-9	9
5	(Aminomethyl)cyclopropane	71	C4H9N	002516-47-4	9

****
Peak Number 3 (DEL) Alkane: Cyclic3.141 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.141	0.79 ug/L	34036	1,4-Difluorobenzene	6.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	72
2	1-Pentene	70	C5H10	000109-67-1	72
3	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59
5	1-Pentene	70	C5H10	000109-67-1	45

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.366	0.77 ug/L	33511	1,4-Difluorobenzene	6.250

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0G48DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	74
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	74

****

Peak Number 5 (DEL) Alkane: Cyclic4.536 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.536	1.52 ug/L	65615	1,4-Difluorobenzene	6.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72

****

Peak Number 6 5-Hexen-1-ol Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.903	0.53 ug/L	23040	1,4-Difluorobenzene	6.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hexen-1-ol	100	C6H12O	000821-41-0	72
2	5-Hexen-1-ol	100	C6H12O	000821-41-0	72
3	Cyclohexene	82	C6H10	000110-83-8	72
4	Bicyclo[3.1.0]hexane	82	C6H10	000285-58-5	72
5	1,1'-Bicyclopropyl	82	C6H10	005685-46-1	72

****

Peak Number 7 Benzene, propyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.906	0.69 ug/L	37294	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	Benzene, propyl-	120	C9H12	000103-65-1	81
3	Benzene, propyl-	120	C9H12	000103-65-1	74
4	Benzene, propyl-	120	C9H12	000103-65-1	74
5	N-Butylbenzylamine	163	C11H17N	002403-22-7	64

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0G48DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.095	1.75 ug/L	94015	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	86
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	68
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64

****
Peak Number 9 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.681	0.73 ug/L	39023	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	86

****
Peak Number 10 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.455	0.89 ug/L	48107	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83

****
Peak Number 11 Azulene Concentration Rank 13

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

Library Search Compound Report

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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0G48DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

14.086 0.53 ug/L 28519 1,4-Dichlorobenzene-d4 11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	91
3	1H-Indene, 1-methylene-	128	C10H8	002471-84-3	91
4	Azulene	128	C10H8	000275-51-4	91
5	Naphthalene	128	C10H8	000091-20-3	91

Tentatively Identified Compound (LSC) summary

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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.999	2.4	ug/L	102414	1	6.250	216485	5.0
(DEL) Alkane: S...	3.086	0.7	ug/L	31710	1	6.250	216485	5.0
(DEL) Alkane: C...	3.141	0.8	ug/L	34036	1	6.250	216485	5.0
(DEL) Alkane: S...	3.366	0.8	ug/L	33511	1	6.250	216485	5.0
(DEL) Alkane: C...	4.536	1.5	ug/L	65615	1	6.250	216485	5.0
5-Hexen-1-ol	5.903	0.5	ug/L	23040	1	6.250	216485	5.0
Benzene, propyl-	10.906	0.7	ug/L	37294	3	11.812	268800	5.0
Indane	12.095	1.8	ug/L	94015	3	11.812	268800	5.0
Benzene, 1-ethe...	12.681	0.7	ug/L	39023	3	11.812	268800	5.0
Indan, 1-methyl-	13.455	0.9	ug/L	48107	3	11.812	268800	5.0
Azulene	14.086	0.5	ug/L	28519	3	11.812	268800	5.0