

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072320\
 Data File : VU039636.D
 Acq On : 23 Jul 2020 13:46
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV35

Quant Time: Jul 24 01:35:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 23 13:03:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	225265	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	219224	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	117234	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	64462	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.92%
7) Chloroethane-d5	1.92	69	73964	42.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.18%
11) 1,1-Dichloroethene-d2	2.58	63	142158	45.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.58%
21) 2-Butanone-d5	4.65	46	158213	93.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.45%
24) Chloroform-d	5.08	84	156478	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
26) 1,2-Dichloroethane-d4	5.72	65	104385	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
32) Benzene-d6	5.74	84	288843	47.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.90%
36) 1,2-Dichloropropane-d6	6.70	67	92259	46.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.44%
41) Toluene-d8	7.91	98	272284	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%
43) trans-1,3-Dichloropropene-	8.19	79	47851	47.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.98%
47) 2-Hexanone-d5	8.64	63	108952	100.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.06%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	148355	46.93	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.86%
64) 1,2-Dichlorobenzene-d4	12.19	152	117778	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	72850	47.479	ug/L 98
3) Chloromethane	1.53	50	74146	46.505	ug/L 95
5) Vinyl chloride	1.61	62	77211	47.662	ug/L 99
6) Bromomethane	1.87	94	54887	45.091	ug/L 98
8) Chloroethane	1.94	64	65011	45.126	ug/L 97
9) Trichlorofluoromethane	2.15	101	147467	51.511	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	64963	47.144	ug/L 99
12) 1,1-Dichloroethene	2.59	96	61544	47.892	ug/L 93
13) Acetone	2.65	43	101544	90.125	ug/L 97
14) Carbon disulfide	2.81	76	200400	48.737	ug/L 98
15) Methyl Acetate	2.97	43	101139	50.106	ug/L 98
16) Methylene chloride	3.06	84	76067	49.427	ug/L 95
17) trans-1,2-Dichloroethene	3.37	96	70670	49.421	ug/L 94
18) Methyl tert-butyl Ether	3.38	73	232217	50.254	ug/L 99
19) 1,1-Dichloroethane	3.89	63	134171	48.081	ug/L 95
20) cis-1,2-Dichloroethene	4.68	96	79583	48.699	ug/L 96
22) 2-Butanone	4.73	43	158072	99.551	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	40780	49.653	ug/L	97
25) Chloroform	5.11	83	145787	47.100	ug/L	98
27) 1,2-Dichloroethane	5.81	62	121793	47.453	ug/L	98
29) Cyclohexane	5.40	56	120789	50.716	ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	129016	49.159	ug/L	97
31) Carbon tetrachloride	5.54	117	111034	51.003	ug/L	99
33) Benzene	5.79	78	303417	50.218	ug/L	100
34) Trichloroethene	6.56	95	81697	51.121	ug/L	96
35) Methylcyclohexane	6.77	83	121791	49.288	ug/L	99
37) 1,2-Dichloropropane	6.80	63	78733	48.132	ug/L	99
38) Bromodichloromethane	7.12	83	111740	51.436	ug/L	97
39) cis-1,3-Dichloropropene	7.62	75	120460	49.276	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	289487	101.583	ug/L	99
42) Toluene	7.98	91	328493	49.439	ug/L	100
44) trans-1,3-Dichloropropene	8.22	75	121963	50.945	ug/L	100
45) 1,1,2-Trichloroethane	8.41	97	77559	49.720	ug/L	98
46) Tetrachloroethene	8.56	164	59317	49.071	ug/L	96
48) 2-Hexanone	8.69	43	237404	102.239	ug/L	99
49) Dibromochloromethane	8.82	129	88737	50.382	ug/L	97
50) 1,2-Dibromoethane	8.93	107	88977	51.269	ug/L	98
51) Chlorobenzene	9.45	112	211344	49.849	ug/L	97
52) Ethylbenzene	9.57	91	370480	50.457	ug/L	99
53) m,p-Xylene	9.70	106	140764	50.859	ug/L	94
54) o-xylene	10.10	106	138404	52.108	ug/L	99
55) Styrene	10.11	104	240388	52.300	ug/L	99
56) Isopropylbenzene	10.48	105	370086	51.325	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	141188	49.657	ug/L	99
59) 1,2,3-Trichloropropane	10.83	75	117013	49.299	ug/L	99
61) Bromoform	10.29	173	68934	49.710	ug/L	100
62) 1,3-Dichlorobenzene	11.74	146	175428	48.850	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	176891	49.168	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	177732	48.978	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	37481	51.631	ug/L	94
67) 1,3,5-Trichlorobenzene	13.21	180	126367	48.794	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	112932	51.384	ug/L	96
69) Naphthalene	14.08	128	372190	56.451	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	115662	52.094	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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