

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092420\
 Data File : VU040265.D
 Acq On : 24 Sep 2020 11:34
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VICV206

Quant Time: Sep 25 09:41:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM092420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 25 09:34:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	434861	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	415312	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	215503	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	168850	46.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.38%
7) Chloroethane-d5	1.92	69	128567	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.82%
11) 1,1-Dichloroethene-d2	2.58	63	335645	47.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.52%
21) 2-Butanone-d5	4.64	46	306861	100.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.15%
24) Chloroform-d	5.08	84	306102	47.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.22%
26) 1,2-Dichloroethane-d4	5.72	65	214593	47.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.46%
32) Benzene-d6	5.74	84	581550	49.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.90%
36) 1,2-Dichloropropane-d6	6.70	67	193201	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.04%
41) Toluene-d8	7.90	98	534936	50.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.86%
43) trans-1,3-Dichloropropene-	8.18	79	102127	50.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.88%
47) 2-Hexanone-d5	8.64	63	186858	105.93	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.93%
56) 1,1,2,2-Tetrachloroethane-	10.75	84	274566	48.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.44%
66) 1,2-Dichlorobenzene-d4	12.19	152	202586	48.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	150021	48.451	ug/L	100
3) Chloromethane	1.52	50	173290	46.232	ug/L	98
5) Vinyl chloride	1.61	62	175471	46.899	ug/L	100
6) Bromomethane	1.86	94	96863	50.116	ug/L	99
8) Chloroethane	1.94	64	109795	45.700	ug/L	99
9) Trichlorofluoromethane	2.14	101	241775	46.609	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	155244	47.013	ug/L	99
12) 1,1-Dichloroethene	2.59	96	145538	47.191	ug/L	94
13) Acetone	2.63	43	302546	92.927	ug/L	98
14) Carbon disulfide	2.80	76	464643	47.341	ug/L	99
15) Methyl Acetate	2.96	43	239244	49.016	ug/L	100
16) Methylene chloride	3.06	84	169542	46.392	ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	153670	48.163	ug/L	97
18) Methyl tert-butyl Ether	3.38	73	510808	48.661	ug/L	100
19) 1,1-Dichloroethane	3.89	63	312324	46.694	ug/L	99
20) cis-1,2-Dichloroethene	4.68	96	167771	48.053	ug/L	97
22) 2-Butanone	4.71	43	375716	97.273	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	84396	46.101	ug/L	99
25) Chloroform	5.11	83	304875	45.119	ug/L	99
27) 1,2-Dichloroethane	5.81	62	265226	46.409	ug/L	99
29) Cyclohexane	5.40	56	294749	51.342	ug/L	99
30) 1,1,1-Trichloroethane	5.33	97	265732	48.826	ug/L	99
31) Carbon tetrachloride	5.54	117	228877	48.652	ug/L	99
33) Benzene	5.79	78	666997	48.619	ug/L	100
34) Trichloroethene	6.55	95	171136	48.703	ug/L	99
35) Methylcyclohexane	6.77	83	273577	50.657	ug/L	100
37) 1,2-Dichloropropane	6.80	63	184297	47.757	ug/L	100
38) Bromodichloromethane	7.11	83	234245	47.847	ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	280636	50.457	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	634027	101.167	ug/L	99
42) Toluene	7.97	91	695234	50.115	ug/L	100
44) trans-1,3-Dichloropropene	8.21	75	284181	50.523	ug/L	98
45) 1,1,2-Trichloroethane	8.40	97	161549	48.205	ug/L	98
46) Tetrachloroethene	8.56	164	122005	49.561	ug/L	97
48) 2-Hexanone	8.69	43	526886	104.982	ug/L	99
49) Dibromochloromethane	8.81	129	177179	48.231	ug/L	99
50) 1,2-Dibromoethane	8.93	107	172079	47.838	ug/L	99
51) Chlorobenzene	9.45	112	438119	47.893	ug/L	99
52) Ethylbenzene	9.57	91	777017	50.288	ug/L	99
53) m,p-Xylene	9.69	106	289854	51.603	ug/L	97
54) o-xylene	10.10	106	278554	50.768	ug/L	95
55) Styrene	10.11	104	487852	51.966	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	281994	47.834	ug/L	99
59) Bromoform	10.29	173	125735	47.771	ug/L	99
60) 1,2,3-Trichloropropane	10.82	75	239251	46.903	ug/L	99
61) Isopropylbenzene	10.48	105	754286	50.530	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	635577	52.120	ug/L	99
63) 1,2,4-Trimethylbenzene	11.46	105	652474	52.794	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	341520	48.354	ug/L	100
65) 1,4-Dichlorobenzene	11.83	146	355346	48.422	ug/L	98
67) 1,2-Dichlorobenzene	12.21	146	347118	49.347	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.99	75	73481	51.097	ug/L	99
69) 1,3,5-Trichlorobenzene	13.21	180	243602	52.924	ug/L	100
70) 1,2,4-trichlorobenzene	13.83	180	221838	55.813	ug/L	100
71) Naphthalene	14.08	128	790551	64.245	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	225077	57.414	ug/L	97

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

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