

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039654.D
 Acq On : 23 Jul 2020 22:22
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05011

Quant Time: Jul 24 03:53:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 03:50:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	203653	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	193813	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	98011	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	59503	44.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.76%
7) Chloroethane-d5	1.92	69	58640	36.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.82%
11) 1,1-Dichloroethene-d2	2.58	63	121660	43.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.70%
21) 2-Butanone-d5	4.64	46	140647	91.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.89%
24) Chloroform-d	5.09	84	141520	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
26) 1,2-Dichloroethane-d4	5.72	65	98506	46.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.46%
32) Benzene-d6	5.75	84	260472	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.80%
36) 1,2-Dichloropropane-d6	6.70	67	85031	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.36%
41) Toluene-d8	7.91	98	238519	47.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	8.19	79	42521	47.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.48%
47) 2-Hexanone-d5	8.64	63	94926	98.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.61%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	135946	48.64	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.28%
64) 1,2-Dichlorobenzene-d4	12.19	152	98902	46.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	59455	42.862	ug/L	98
3) Chloromethane	1.53	50	70849	49.153	ug/L	98
5) Vinyl chloride	1.61	62	69362	47.361	ug/L	99
6) Bromomethane	1.86	94	63682	57.868	ug/L	99
8) Chloroethane	1.94	64	51977	39.907	ug/L	100
9) Trichlorofluoromethane	2.15	101	110437	42.670	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	47575	38.189	ug/L	99
12) 1,1-Dichloroethene	2.59	96	51972	44.736	ug/L	99
13) Acetone	2.64	43	82203	80.701	ug/L	100
14) Carbon disulfide	2.81	76	166961	44.914	ug/L	100
15) Methyl Acetate	2.96	43	92774	50.840	ug/L	100
16) Methylene chloride	3.06	84	70420	50.614	ug/L	93
17) trans-1,2-Dichloroethene	3.37	96	60595	46.873	ug/L	95
18) Methyl tert-butyl Ether	3.38	73	219455	52.532	ug/L	100
19) 1,1-Dichloroethane	3.89	63	125715	49.831	ug/L	96
20) cis-1,2-Dichloroethene	4.69	96	71602	48.465	ug/L	100
22) 2-Butanone	4.73	43	140422	97.820	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	38352	51.652	ug/L	98
25) Chloroform	5.11	83	137342	49.081	ug/L	100
27) 1,2-Dichloroethane	5.81	62	115417	49.741	ug/L	98
29) Cyclohexane	5.41	56	85780	40.739	ug/L	100
30) 1,1,1-Trichloroethane	5.34	97	111319	47.977	ug/L	96
31) Carbon tetrachloride	5.54	117	91667	47.628	ug/L	99
33) Benzene	5.79	78	276215	51.710	ug/L	100
34) Trichloroethene	6.56	95	70143	49.646	ug/L	98
35) Methylcyclohexane	6.77	83	82454	37.743	ug/L	100
37) 1,2-Dichloropropane	6.81	63	74271	51.357	ug/L	100
38) Bromodichloromethane	7.12	83	101832	53.021	ug/L	98
39) cis-1,3-Dichloropropene	7.62	75	111278	51.488	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	267500	106.175	ug/L	99
42) Toluene	7.98	91	284829	48.488	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	110335	52.130	ug/L	98
45) 1,1,2-Trichloroethane	8.41	97	73412	53.232	ug/L	98
46) Tetrachloroethene	8.56	164	44864	41.981	ug/L	96
48) 2-Hexanone	8.69	43	213682	104.088	ug/L	99
49) Dibromochloromethane	8.82	129	80780	51.877	ug/L	99
50) 1,2-Dibromoethane	8.93	107	81129	52.876	ug/L	97
51) Chlorobenzene	9.45	112	177820	47.441	ug/L	100
52) Ethylbenzene	9.57	91	299693	46.168	ug/L	99
53) m,p-Xylene	9.70	106	111462	45.552	ug/L	99
54) o-xylene	10.10	106	117847	50.186	ug/L	99
55) Styrene	10.12	104	202954	49.945	ug/L	99
56) Isopropylbenzene	10.48	105	286407	44.928	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	128191	50.997	ug/L	100
59) 1,2,3-Trichloropropane	10.82	75	106645	50.822	ug/L	98
61) Bromoform	10.29	173	60696	52.353	ug/L	99
62) 1,3-Dichlorobenzene	11.74	146	140768	46.887	ug/L	99
63) 1,4-Dichlorobenzene	11.83	146	141583	47.073	ug/L	99
65) 1,2-Dichlorobenzene	12.21	146	148844	49.062	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	32842	54.114	ug/L	95
67) 1,3,5-Trichlorobenzene	13.21	180	99091	45.767	ug/L	99
68) 1,2,4-trichlorobenzene	13.83	180	92742	50.474	ug/L	99
69) Naphthalene	14.08	128	317401	57.583	ug/L	100
70) 1,2,3-Trichlorobenzene	14.32	180	97097	52.310	ug/L	99

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

