

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050120\
 Data File : VU037983.D
 Acq On : 01 May 2020 10:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: May 02 00:06:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM043020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 01 13:52:18 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	753825	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	744377	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	359775	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	257541	38.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.68%
7) Chloroethane-d5	1.93	69	224354	41.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	2.59	63	449860	41.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.96%
21) 2-Butanone-d5	4.66	46	463655	89.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.47%
24) Chloroform-d	5.10	84	454786	44.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.58%
26) 1,2-Dichloroethane-d4	5.74	65	307658	43.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.28%
32) Benzene-d6	5.76	84	936755	42.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.38%
36) 1,2-Dichloropropane-d6	6.72	67	309704	42.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.14%
41) Toluene-d8	7.92	98	866878	43.07	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.14%
43) trans-1,3-Dichloropropene-	8.20	79	151936	44.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.08%
47) 2-Hexanone-d5	8.65	63	274466	86.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.75%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	451916	43.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.22%
64) 1,2-Dichlorobenzene-d4	12.21	152	320382	42.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.18%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	261687	44.618	ug/L	99
3) Chloromethane	1.53	50	303563	40.841	ug/L	99
5) Vinyl chloride	1.62	62	326337	43.209	ug/L	98
6) Bromomethane	1.86	94	156614	43.537	ug/L	99
8) Chloroethane	1.95	64	196742	43.314	ug/L	100
9) Trichlorofluoromethane	2.15	101	350742	44.682	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	220743	45.756	ug/L	99
12) 1,1-Dichloroethene	2.60	96	217555	44.065	ug/L	97
13) Acetone	2.65	43	302536	90.636	ug/L	100
14) Carbon disulfide	2.82	76	697544	42.652	ug/L	100
15) Methyl Acetate	2.98	43	308170	42.403	ug/L	100
16) Methylene chloride	3.08	84	251059	43.140	ug/L	99
17) trans-1,2-Dichloroethene	3.38	96	234333	43.961	ug/L	99
18) Methyl tert-butyl Ether	3.40	73	767484	43.273	ug/L	100
19) 1,1-Dichloroethane	3.91	63	458009	43.133	ug/L	99
20) cis-1,2-Dichloroethene	4.71	96	259115	43.963	ug/L	98
22) 2-Butanone	4.74	43	472275	87.418	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.01	128	122950	44.348	ug/L	94
25) Chloroform	5.12	83	441491	43.314	ug/L	99
27) 1,2-Dichloroethane	5.83	62	366012	43.425	ug/L	99
29) Cyclohexane	5.42	56	435714	44.796	ug/L	100
30) 1,1,1-Trichloroethane	5.35	97	359832	43.488	ug/L	99
31) Carbon tetrachloride	5.56	117	287600	44.031	ug/L	100
33) Benzene	5.81	78	1001380	43.033	ug/L	100
34) Trichloroethene	6.57	95	245184	43.451	ug/L	98
35) Methylcyclohexane	6.79	83	433922	45.779	ug/L	98
37) 1,2-Dichloropropane	6.82	63	272735	43.838	ug/L	100
38) Bromodichloromethane	7.13	83	325287	43.062	ug/L	98
39) cis-1,3-Dichloropropene	7.63	75	427645	44.841	ug/L	98
40) 4-Methyl-2-pentanone	7.82	43	850860	84.408	ug/L	99
42) Toluene	8.00	91	1074505	43.950	ug/L	100
44) trans-1,3-Dichloropropene	8.23	75	398904	44.801	ug/L	99
45) 1,1,2-Trichloroethane	8.42	97	242571	43.049	ug/L	99
46) Tetrachloroethene	8.58	164	170545	41.397	ug/L	96
48) 2-Hexanone	8.71	43	723553	87.100	ug/L	98
49) Dibromochloromethane	8.83	129	239944	44.154	ug/L	99
50) 1,2-Dibromoethane	8.95	107	259427	42.859	ug/L	98
51) Chlorobenzene	9.47	112	665759	43.735	ug/L	99
52) Ethylbenzene	9.59	91	1205736	44.490	ug/L	99
53) m,p-Xylene	9.71	106	462631	44.959	ug/L	98
54) o-xylene	10.12	106	445607	43.984	ug/L	100
55) Styrene	10.13	104	770438	44.771	ug/L	99
56) Isopropylbenzene	10.50	105	1163939	44.619	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.80	83	423172	42.067	ug/L	99
59) 1,2,3-Trichloropropane	10.84	75	360290	41.766	ug/L	99
61) Bromoform	10.31	173	161317	41.934	ug/L	100
62) 1,3-Dichlorobenzene	11.76	146	511811	44.433	ug/L	99
63) 1,4-Dichlorobenzene	11.85	146	512800	44.059	ug/L	100
65) 1,2-Dichlorobenzene	12.23	146	500992	43.114	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	98148	40.465	ug/L	98
67) 1,3,5-Trichlorobenzene	13.24	180	355029	45.211	ug/L	98
68) 1,2,4-trichlorobenzene	13.87	180	340783	45.275	ug/L	98
69) Naphthalene	14.12	128	1273477	44.099	ug/L	100
70) 1,2,3-Trichlorobenzene	14.37	180	339360	45.810	ug/L	100

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

