

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102119\
 Data File : VU035325.D
 Acq On : 21 Oct 2019 15:02
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Oct 21 15:25:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM101919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Oct 21 05:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	686315	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	659962	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	300629	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	256557	43.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.92%
7) Chloroethane-d5	1.93	69	223156	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.08%
11) 1,1-Dichloroethene-d2	2.60	63	439602	45.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.24%
21) 2-Butanone-d5	4.70	46	401952	102.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.71%
24) Chloroform-d	5.11	84	459687	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.36%
26) 1,2-Dichloroethane-d4	5.75	65	297041	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.77	84	906863	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
36) 1,2-Dichloropropane-d6	6.74	67	294626	48.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.88%
41) Toluene-d8	7.93	98	846661	47.09	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.18%
43) trans-1,3-Dichloropropene-	8.21	79	151679	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.30%
47) 2-Hexanone-d5	8.68	63	289828	107.25	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.25%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	436456	48.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.56%
64) 1,2-Dichlorobenzene-d4	12.22	152	316885	45.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.94%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	263767	47.238	ug/L	99
3) Chloromethane	1.54	50	295990	51.152	ug/L	99
5) Vinyl chloride	1.62	62	288398	48.990	ug/L	99
6) Bromomethane	1.87	94	159241	45.145	ug/L	98
8) Chloroethane	1.95	64	180008	49.711	ug/L	100
9) Trichlorofluoromethane	2.16	101	357461	48.064	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	205779	47.469	ug/L	99
12) 1,1-Dichloroethene	2.61	96	204564	48.615	ug/L	99
13) Acetone	2.67	43	324358	92.961	ug/L	99
14) Carbon disulfide	2.83	76	615006	46.400	ug/L	100
15) Methyl Acetate	3.00	43	262442	50.887	ug/L	99
16) Methylene chloride	3.09	84	246379	49.380	ug/L	98
17) trans-1,2-Dichloroethene	3.39	96	219128	48.608	ug/L	99
18) Methyl tert-butyl Ether	3.42	73	724625	50.542	ug/L	100
19) 1,1-Dichloroethane	3.92	63	426560	49.687	ug/L	100
20) cis-1,2-Dichloroethene	4.72	96	254792	49.802	ug/L	98
22) 2-Butanone	4.78	43	418374	99.101	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	125716	48.993	ug/L	99
25) Chloroform	5.14	83	437859	49.415	ug/L	100
27) 1,2-Dichloroethane	5.84	62	340857	49.649	ug/L	99
29) Cyclohexane	5.43	56	359660	48.738	ug/L	99
30) 1,1,1-Trichloroethane	5.37	97	362103	50.126	ug/L	99
31) Carbon tetrachloride	5.57	117	314677	49.793	ug/L	100
33) Benzene	5.82	78	954280	51.143	ug/L	100
34) Trichloroethene	6.58	95	235880	49.062	ug/L	98
35) Methylcyclohexane	6.80	83	358067	48.170	ug/L	99
37) 1,2-Dichloropropane	6.84	63	247760	51.276	ug/L	100
38) Bromodichloromethane	7.15	83	327048	50.594	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	411202	52.663	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	720169	100.883	ug/L	99
42) Toluene	8.01	91	1025217	50.195	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	369930	50.702	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	238100	49.992	ug/L	99
46) Tetrachloroethene	8.59	164	186655	48.058	ug/L	99
48) 2-Hexanone	8.73	43	584768	96.302	ug/L	99
49) Dibromochloromethane	8.84	129	262764	49.437	ug/L	97
50) 1,2-Dibromoethane	8.96	107	258440	49.049	ug/L	98
51) Chlorobenzene	9.48	112	644133	48.355	ug/L	98
52) Ethylbenzene	9.60	91	1111598	48.829	ug/L	100
53) m,p-Xylene	9.73	106	411133	48.993	ug/L	97
54) o-xylene	10.13	106	408826	49.116	ug/L	99
55) Styrene	10.14	104	689256	50.847	ug/L	99
56) Isopropylbenzene	10.51	105	1054546	48.935	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	408018	49.007	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	323852	49.220	ug/L	99
61) Bromoform	10.32	173	203524	47.310	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	471303	48.247	ug/L	100
63) 1,4-Dichlorobenzene	11.86	146	467053	47.746	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	469227	48.121	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	78612	51.005	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	290485	53.141	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	204048	56.635	ug/L	99
69) Naphthalene	14.11	128	546928	55.148	ug/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	216097	57.981	ug/L	99

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

