

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU102119\
 Data File : VU035320.D
 Acq On : 21 Oct 2019 10:39
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05056

Quant Time: Oct 21 14:55:00 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	690833	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	663353	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	310688	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	261578	44.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.04%
7) Chloroethane-d5	1.93	69	228022	45.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.44%
11) 1,1-Dichloroethene-d2	2.59	63	444840	45.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.72%
21) 2-Butanone-d5	4.69	46	388189	98.54	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.54%
24) Chloroform-d	5.11	84	456018	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	5.75	65	292227	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
32) Benzene-d6	5.77	84	905795	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
36) 1,2-Dichloropropane-d6	6.73	67	293348	47.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.98%
41) Toluene-d8	7.93	98	860193	47.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	8.21	79	151844	47.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.90%
47) 2-Hexanone-d5	8.68	63	273060	100.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.53%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	428005	47.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.22	152	316029	43.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	265506	47.238	ug/L	99
3) Chloromethane	1.54	50	307275	52.755	ug/L	98
5) Vinyl chloride	1.62	62	283029	47.764	ug/L	100
6) Bromomethane	1.87	94	143006	40.278	ug/L	100
8) Chloroethane	1.95	64	174938	47.995	ug/L	99
9) Trichlorofluoromethane	2.16	101	360483	48.153	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	209613	48.037	ug/L	99
12) 1,1-Dichloroethene	2.61	96	203071	47.945	ug/L	94
13) Acetone	2.66	43	358447	102.059	ug/L	99
14) Carbon disulfide	2.82	76	621373	46.574	ug/L	100
15) Methyl Acetate	2.99	43	257213	49.547	ug/L	98
16) Methylene chloride	3.08	84	250354	49.849	ug/L	99
17) trans-1,2-Dichloroethene	3.39	96	219991	48.480	ug/L	97
18) Methyl tert-butyl Ether	3.42	73	703479	48.746	ug/L	100
19) 1,1-Dichloroethane	3.92	63	415369	48.067	ug/L	98
20) cis-1,2-Dichloroethene	4.72	96	250779	48.697	ug/L	96
22) 2-Butanone	4.77	43	434290	102.198	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	121350	46.983	ug/L	98
25) Chloroform	5.13	83	424168	47.557	ug/L	99
27) 1,2-Dichloroethane	5.84	62	330988	47.897	ug/L	100
29) Cyclohexane	5.43	56	360244	48.568	ug/L	100
30) 1,1,1-Trichloroethane	5.36	97	354759	48.858	ug/L	99
31) Carbon tetrachloride	5.57	117	315150	49.613	ug/L	99
33) Benzene	5.82	78	926731	49.413	ug/L	100
34) Trichloroethene	6.58	95	233773	48.375	ug/L	99
35) Methylcyclohexane	6.80	83	361139	48.335	ug/L	99
37) 1,2-Dichloropropane	6.83	63	239357	49.284	ug/L	100
38) Bromodichloromethane	7.14	83	319313	49.145	ug/L	99
39) cis-1,3-Dichloropropene	7.65	75	405472	51.664	ug/L	100
40) 4-Methyl-2-pentanone	7.84	43	704436	98.174	ug/L	100
42) Toluene	8.00	91	1007124	49.057	ug/L	99
44) trans-1,3-Dichloropropene	8.25	75	367109	50.058	ug/L	99
45) 1,1,2-Trichloroethane	8.44	97	231790	48.418	ug/L	98
46) Tetrachloroethene	8.58	164	190589	48.820	ug/L	98
48) 2-Hexanone	8.73	43	575085	94.224	ug/L	96
49) Dibromochloromethane	8.84	129	263172	49.260	ug/L	99
50) 1,2-Dibromoethane	8.96	107	255723	48.285	ug/L	100
51) Chlorobenzene	9.48	112	644997	48.172	ug/L	98
52) Ethylbenzene	9.60	91	1117676	48.845	ug/L	99
53) m,p-Xylene	9.72	106	416771	49.411	ug/L	98
54) o-xylene	10.13	106	409300	48.922	ug/L	100
55) Styrene	10.14	104	688933	50.563	ug/L	99
56) Isopropylbenzene	10.51	105	1047092	48.341	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	406667	48.595	ug/L	100
59) 1,2,3-Trichloropropane	10.85	75	318012	48.085	ug/L	100
61) Bromoform	10.32	173	205861	46.304	ug/L	99
62) 1,3-Dichlorobenzene	11.77	146	475594	47.110	ug/L	99
63) 1,4-Dichlorobenzene	11.86	146	472046	46.694	ug/L	100
65) 1,2-Dichlorobenzene	12.24	146	470669	46.706	ug/L	99
66) 1,2-Dibromo-3-chloropropan	13.02	75	77845	48.872	ug/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	280688	49.687	ug/L	100
68) 1,2,4-trichlorobenzene	13.86	180	191701	51.486	ug/L	99
69) Naphthalene	14.11	128	511873	49.943	ug/L	100
70) 1,2,3-Trichlorobenzene	14.36	180	196748	51.080	ug/L	100

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

