

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072519\
 Data File : VU033394.D
 Acq On : 25 Jul 2019 08:55
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Jul 26 04:31:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 19 22:54:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	272082	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	282641	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	142170	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	105769	51.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.70%
7) Chloroethane-d5	1.67	69	99594	56.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.20%
11) 1,1-Dichloroethene-d2	2.26	63	221336	59.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	118.50%
21) 2-Butanone-d5	4.15	46	138753	106.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.32%
24) Chloroform-d	4.62	84	191499	55.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.96%
26) 1,2-Dichloroethane-d4	5.29	65	124738	56.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.70%
32) Benzene-d6	5.32	84	384974	55.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.04%
36) 1,2-Dichloropropane-d6	6.31	67	120088	54.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.14%
41) Toluene-d8	7.55	98	361040	55.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.44%
43) trans-1,3-Dichloropropene-	7.83	79	57933	53.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.38%
47) 2-Hexanone-d5	8.30	63	103371	103.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.24%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	185934	55.31	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.62%
64) 1,2-Dichlorobenzene-d4	11.85	152	135798	53.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	107.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	135190	50.139	ug/L 100
3) Chloromethane	1.32	50	124490	46.865	ug/L 99
5) Vinyl chloride	1.40	62	144401	47.032	ug/L 100
6) Bromomethane	1.61	94	88207	46.084	ug/L 99
8) Chloroethane	1.69	64	91472	49.256	ug/L 95
9) Trichlorofluoromethane	1.87	101	207031	51.279	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	104561	56.331	ug/L 99
12) 1,1-Dichloroethene	2.27	96	97846	53.878	ug/L 95
13) Acetone	2.31	43	167430	102.683	ug/L 98
14) Carbon disulfide	2.46	76	259616	46.742	ug/L 99
15) Methyl Acetate	2.60	43	100197	47.056	ug/L 99
16) Methylene chloride	2.68	84	103176	49.760	ug/L 96
17) trans-1,2-Dichloroethene	2.96	96	92497	49.281	ug/L 99
18) Methyl tert-butyl Ether	2.98	73	280580	48.430	ug/L 99
19) 1,1-Dichloroethane	3.42	63	178420	49.453	ug/L 99
20) cis-1,2-Dichloroethene	4.20	96	105190	49.686	ug/L 95
22) 2-Butanone	4.23	43	171803	94.847	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	54257	50.048	ug/L	97
25) Chloroform	4.65	83	196807	51.290	ug/L	99
27) 1,2-Dichloroethane	5.38	62	152461	51.311	ug/L	99
29) Cyclohexane	4.97	56	148631	48.260	ug/L	99
30) 1,1,1-Trichloroethane	4.89	97	164211	49.799	ug/L	98
31) Carbon tetrachloride	5.11	117	145077	50.275	ug/L	98
33) Benzene	5.37	78	409780	49.715	ug/L	100
34) Trichloroethene	6.16	95	104839	48.634	ug/L	99
35) Methylcyclohexane	6.40	83	162204	49.121	ug/L	98
37) 1,2-Dichloropropane	6.41	63	109909	49.168	ug/L	99
38) Bromodichloromethane	6.74	83	144459	50.099	ug/L	99
39) cis-1,3-Dichloropropene	7.25	75	168815	49.255	ug/L	97
40) 4-Methyl-2-pentanone	7.44	43	276847	92.322	ug/L	99
42) Toluene	7.62	91	453512	51.034	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	154537	49.997	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	105511	49.908	ug/L	97
46) Tetrachloroethene	8.21	164	83141	49.822	ug/L	99
48) 2-Hexanone	8.35	43	235935	96.577	ug/L	98
49) Dibromochloromethane	8.46	129	119718	50.764	ug/L	98
50) 1,2-Dibromoethane	8.57	107	112707	48.895	ug/L	97
51) Chlorobenzene	9.10	112	288239	49.694	ug/L	98
52) Ethylbenzene	9.23	91	483064	50.801	ug/L	100
53) m,p-Xylene	9.36	106	189342	52.570	ug/L	100
54) o-xylene	9.77	106	182566	51.048	ug/L	96
55) Styrene	9.78	104	317620	52.384	ug/L	99
56) Isopropylbenzene	10.15	105	471899	51.278	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.44	83	185951	50.074	ug/L	100
59) 1,2,3-Trichloropropane	10.48	75	138764	47.684	ug/L	99
61) Bromoform	9.94	173	86455	49.792	ug/L	98
62) 1,3-Dichlorobenzene	11.40	146	215470	49.235	ug/L	99
63) 1,4-Dichlorobenzene	11.49	146	224998	49.171	ug/L	99
65) 1,2-Dichlorobenzene	11.86	146	223941	49.895	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.64	75	40062	46.767	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	166650	52.691	ug/L	100
68) 1,2,4-trichlorobenzene	13.49	180	140104	50.715	ug/L	99
69) Naphthalene	13.73	128	436422	49.270	ug/L	100
70) 1,2,3-Trichlorobenzene	13.97	180	148942	49.660	ug/L	99

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

