

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111419\
 Data File : VU035707.D
 Acq On : 14 Nov 2019 09:20
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Nov 15 00:58:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 14 13:57:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	715578	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	690725	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	323791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	239406	41.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.84%
7) Chloroethane-d5	1.93	69	210093	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.04%
11) 1,1-Dichloroethene-d2	2.59	63	400451	44.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.10%
21) 2-Butanone-d5	4.69	46	320915	95.06	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.06%
24) Chloroform-d	5.11	84	416707	46.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.38%
26) 1,2-Dichloroethane-d4	5.75	65	251647	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.04%
32) Benzene-d6	5.77	84	873943	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.08%
36) 1,2-Dichloropropane-d6	6.73	67	281511	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.93	98	828260	48.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.54%
43) trans-1,3-Dichloropropene-	8.21	79	134855	50.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.28%
47) 2-Hexanone-d5	8.67	63	239690	107.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.11%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	405516	48.84	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.68%
64) 1,2-Dichlorobenzene-d4	12.22	152	301371	46.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	261525	46.863	ug/L 100
3) Chloromethane	1.54	50	299108	49.180	ug/L 100
5) Vinyl chloride	1.62	62	318098	48.609	ug/L 98
6) Bromomethane	1.87	94	188003	56.719	ug/L 98
8) Chloroethane	1.95	64	187404	49.238	ug/L 99
9) Trichlorofluoromethane	2.16	101	390733	50.405	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	231484	52.016	ug/L 99
12) 1,1-Dichloroethene	2.60	96	218828	50.062	ug/L 91
13) Acetone	2.66	43	360556	121.389	ug/L 100
14) Carbon disulfide	2.82	76	657469	48.820	ug/L 100
15) Methyl Acetate	2.99	43	258133	47.981	ug/L 98
16) Methylene chloride	3.08	84	264006	49.499	ug/L 97
17) trans-1,2-Dichloroethene	3.39	96	231389	50.267	ug/L 98
18) Methyl tert-butyl Ether	3.42	73	719245	51.680	ug/L 99
19) 1,1-Dichloroethane	3.92	63	444283	50.034	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	266752	51.377	ug/L 95
22) 2-Butanone	4.77	43	428967	109.404	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	141733	51.659	uq/L	95
25) Chloroform	5.14	83	459882	50.995	uq/L	100
27) 1,2-Dichloroethane	5.84	62	328271	49.824	uq/L	99
29) Cyclohexane	5.43	56	372881	52.926	uq/L	99
30) 1,1,1-Trichloroethane	5.36	97	372706	51.338	uq/L	99
31) Carbon tetrachloride	5.57	117	335998	52.050	uq/L	99
33) Benzene	5.82	78	1005111	51.777	uq/L	100
34) Trichloroethene	6.58	95	255672	51.806	uq/L	97
35) Methylcyclohexane	6.80	83	380958	53.151	uq/L	97
37) 1,2-Dichloropropane	6.83	63	266205	51.208	uq/L	100
38) Bromodichloromethane	7.14	83	335356	50.752	uq/L	100
39) cis-1,3-Dichloropropene	7.64	75	420022	54.358	uq/L	99
40) 4-Methyl-2-pentanone	7.84	43	679221	97.664	uq/L	97
42) Toluene	8.00	91	1100199	54.075	uq/L	99
44) trans-1,3-Dichloropropene	8.24	75	377514	53.300	uq/L	99
45) 1,1,2-Trichloroethane	8.44	97	258638	51.907	uq/L	98
46) Tetrachloroethene	8.58	164	221695	53.724	uq/L	99
48) 2-Hexanone	8.73	43	522878	92.454	uq/L	99
49) Dibromochloromethane	8.84	129	298121	53.055	uq/L	98
50) 1,2-Dibromoethane	8.96	107	273701	51.484	uq/L	99
51) Chlorobenzene	9.48	112	708330	52.150	uq/L	99
52) Ethylbenzene	9.60	91	1163131	53.475	uq/L	99
53) m,p-Xylene	9.72	106	454311	55.664	uq/L	97
54) o-xylene	10.13	106	445157	55.804	uq/L	100
55) Styrene	10.14	104	734780	55.502	uq/L	98
56) Isopropylbenzene	10.51	105	1116772	55.710	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	436142	50.817	uq/L	99
59) 1,2,3-Trichloropropane	10.85	75	337736	49.826	uq/L	100
61) Bromoform	10.32	173	234063	47.384	uq/L	99
62) 1,3-Dichlorobenzene	11.77	146	515980	50.514	uq/L	98
63) 1,4-Dichlorobenzene	11.86	146	509648	49.115	uq/L	99
65) 1,2-Dichlorobenzene	12.24	146	513707	49.400	uq/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	73018	45.287	uq/L	96
67) 1,3,5-Trichlorobenzene	13.24	180	294729	49.944	uq/L	99
68) 1,2,4-trichlorobenzene	13.86	180	168631	42.659	uq/L	100
69) Naphthalene	14.11	128	377155	37.197	uq/L	100
70) 1,2,3-Trichlorobenzene	14.35	180	179455	42.133	uq/L	99

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

