

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111119\
 Data File : VU035687.D
 Acq On : 11 Nov 2019 13:34
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Nov 11 14:11:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM103119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 08 06:13:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	724908	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	706520	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	323239	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	224726	38.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.76%
7) Chloroethane-d5	1.93	69	194140	41.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.04%
11) 1,1-Dichloroethene-d2	2.60	63	386905	42.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.98%
21) 2-Butanone-d5	4.68	46	293307	85.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.76%
24) Chloroform-d	5.11	84	396266	43.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.64%
26) 1,2-Dichloroethane-d4	5.75	65	233000	42.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.12%
32) Benzene-d6	5.77	84	795133	43.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.34%
36) 1,2-Dichloropropane-d6	6.73	67	258247	43.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.48%
41) Toluene-d8	7.93	98	753602	43.38	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.76%
43) trans-1,3-Dichloropropene-	8.21	79	120840	43.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.84%
47) 2-Hexanone-d5	8.67	63	202725	88.57	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.57%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	374316	44.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.14%
64) 1,2-Dichlorobenzene-d4	12.22	152	272310	41.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.54%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.40	85	286028	50.594	ug/L 99
3) Chloromethane	1.54	50	318160	51.639	ug/L 99
5) Vinyl chloride	1.62	62	336838	50.810	ug/L 100
6) Bromomethane	1.87	94	192813	57.422	ug/L 98
8) Chloroethane	1.95	64	197334	51.179	ug/L 99
9) Trichlorofluoromethane	2.16	101	412977	52.589	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	245590	54.475	ug/L 99
12) 1,1-Dichloroethene	2.61	96	231262	52.225	ug/L 98
13) Acetone	2.66	43	313814	104.293	ug/L 99
14) Carbon disulfide	2.82	76	708737	51.950	ug/L 99
15) Methyl Acetate	2.99	43	267386	49.061	ug/L 98
16) Methylene chloride	3.08	84	275362	50.964	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	244397	52.409	ug/L 98
18) Methyl tert-butyl Ether	3.42	73	744728	52.823	ug/L 99
19) 1,1-Dichloroethane	3.92	63	460233	51.163	ug/L 99
20) cis-1,2-Dichloroethene	4.72	96	275073	52.298	ug/L 96
22) 2-Butanone	4.76	43	402858	101.423	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	147536	53.082	ug/L	97
25) Chloroform	5.13	83	468526	51.285	ug/L	99
27) 1,2-Dichloroethane	5.84	62	336853	50.469	ug/L	100
29) Cyclohexane	5.43	56	397748	55.194	ug/L	99
30) 1,1,1-Trichloroethane	5.36	97	388415	52.305	ug/L	99
31) Carbon tetrachloride	5.57	117	348467	52.775	ug/L	100
33) Benzene	5.82	78	1050575	52.909	ug/L	100
34) Trichloroethene	6.58	95	267560	53.003	ug/L	98
35) Methylcyclohexane	6.80	83	401127	54.714	ug/L	99
37) 1,2-Dichloropropane	6.83	63	278476	52.371	ug/L	100
38) Bromodichloromethane	7.14	83	350614	51.875	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	436245	55.195	ug/L	99
40) 4-Methyl-2-pentanone	7.84	43	684859	96.273	ug/L	97
42) Toluene	8.00	91	1148521	55.188	ug/L	100
44) trans-1,3-Dichloropropene	8.24	75	387671	53.510	ug/L	99
45) 1,1,2-Trichloroethane	8.43	97	267658	52.516	ug/L	99
46) Tetrachloroethene	8.58	164	231952	54.953	ug/L	98
48) 2-Hexanone	8.73	43	564586	97.597	ug/L	95
49) Dibromochloromethane	8.84	129	304736	53.020	ug/L	98
50) 1,2-Dibromoethane	8.96	107	289189	53.182	ug/L	98
51) Chlorobenzene	9.48	112	736327	52.999	ug/L	99
52) Ethylbenzene	9.60	91	1210528	54.410	ug/L	98
53) m,p-Xylene	9.72	106	468315	56.097	ug/L	97
54) o-xylene	10.13	106	459295	56.289	ug/L	100
55) Styrene	10.14	104	750558	55.426	ug/L	97
56) Isopropylbenzene	10.51	105	1151743	56.170	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.81	83	442518	50.407	ug/L	99
59) 1,2,3-Trichloropropane	10.85	75	342953	49.465	ug/L	100
61) Bromoform	10.32	173	235718	47.800	ug/L	100
62) 1,3-Dichlorobenzene	11.77	146	516147	50.617	ug/L	98
63) 1,4-Dichlorobenzene	11.86	146	501089	48.372	ug/L	99
65) 1,2-Dichlorobenzene	12.24	146	505032	48.648	ug/L	98
66) 1,2-Dibromo-3-chloropropan	13.02	75	71643	44.510	ug/L	99
67) 1,3,5-Trichlorobenzene	13.24	180	277716	47.141	ug/L	99
68) 1,2,4-trichlorobenzene	13.86	180	152789	38.717	ug/L	99
69) Naphthalene	14.11	128	336389	33.233	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	160009	37.632	ug/L	98

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

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