

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061219\
 Data File : VU032677.D
 Acq On : 13 Jun 2019 01:17
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Jun 13 06:04:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 13 05:57:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	160932	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	156571	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	84007	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	44151	42.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.58%
7) Chloroethane-d5	1.67	69	37640	44.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.72%
11) 1,1-Dichloroethene-d2	2.27	63	95203	46.57	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.14%
21) 2-Butanone-d5	4.17	46	95111	108.85	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.85%
24) Chloroform-d	4.64	84	99679	51.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.38%
26) 1,2-Dichloroethane-d4	5.30	65	64855	52.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.74%
32) Benzene-d6	5.33	84	184414	45.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.74%
36) 1,2-Dichloropropane-d6	6.32	67	60998	47.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.72%
41) Toluene-d8	7.56	98	167894	43.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.12%
43) trans-1,3-Dichloropropene-	7.85	79	27340	44.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.64%
47) 2-Hexanone-d5	8.31	63	53796	87.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	93119	50.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	76983	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	76394	52.655	ug/L 100
3) Chloromethane	1.32	50	68345	48.751	ug/L 99
5) Vinyl chloride	1.40	62	69444	49.588	ug/L 100
6) Bromomethane	1.62	94	37735	45.216	ug/L 100
8) Chloroethane	1.69	64	41235	49.537	ug/L 98
9) Trichlorofluoromethane	1.88	101	99459	52.595	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	52345	53.225	ug/L 99
12) 1,1-Dichloroethene	2.28	96	50616	53.005	ug/L 80
13) Acetone	2.32	43	70095	77.748	ug/L 98
14) Carbon disulfide	2.47	76	145975	50.311	ug/L 98
15) Methyl Acetate	2.61	43	74150	57.604	ug/L 100
16) Methylene chloride	2.69	84	59904	54.977	ug/L 95
17) trans-1,2-Dichloroethene	2.98	96	54256	52.431	ug/L 95
18) Methyl tert-butyl Ether	2.99	73	180951	53.227	ug/L 99
19) 1,1-Dichloroethane	3.44	63	106295	56.347	ug/L 98
20) cis-1,2-Dichloroethene	4.22	96	62436	53.313	ug/L 96
22) 2-Butanone	4.26	43	106177	99.644	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	33041	54.261	uq/L	93
25) Chloroform	4.67	83	110331	56.676	uq/L	100
27) 1,2-Dichloroethane	5.40	62	90515	58.817	uq/L	98
29) Cyclohexane	4.99	56	89574	48.098	uq/L	99
30) 1,1,1-Trichloroethane	4.91	97	93797	52.920	uq/L	97
31) Carbon tetrachloride	5.13	117	87395	53.798	uq/L	98
33) Benzene	5.38	78	229827	52.244	uq/L	100
34) Trichloroethene	6.18	95	64040	53.507	uq/L	99
35) Methylcyclohexane	6.41	83	91175	47.057	uq/L	98
37) 1,2-Dichloropropane	6.43	63	63000	54.024	uq/L	100
38) Bromodichloromethane	6.75	83	82889	55.202	uq/L	99
39) cis-1,3-Dichloropropene	7.26	75	92184	50.102	uq/L	100
40) 4-Methyl-2-pentanone	7.45	43	202172	107.764	uq/L	99
42) Toluene	7.63	91	249023	51.688	uq/L	100
44) trans-1,3-Dichloropropene	7.87	75	81647	49.995	uq/L	100
45) 1,1,2-Trichloroethane	8.06	97	59719	54.154	uq/L	99
46) Tetrachloroethene	8.22	164	49387	49.962	uq/L	98
48) 2-Hexanone	8.36	43	164226	106.577	uq/L	99
49) Dibromochloromethane	8.47	129	69718	54.392	uq/L	97
50) 1,2-Dibromoethane	8.58	107	66083	53.239	uq/L	99
51) Chlorobenzene	9.11	112	160993	51.867	uq/L	99
52) Ethylbenzene	9.24	91	276541	51.496	uq/L	100
53) m,p-Xylene	9.37	106	103334	50.604	uq/L	99
54) o-xylene	9.77	106	103125	50.863	uq/L	100
55) Styrene	9.79	104	178231	52.657	uq/L	97
56) Isopropylbenzene	10.16	105	272074	50.890	uq/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	97878	51.931	uq/L	99
59) 1,2,3-Trichloropropane	10.49	75	83781	55.266	uq/L	100
61) Bromoform	9.95	173	53065	52.981	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	129371	50.902	uq/L	99
63) 1,4-Dichlorobenzene	11.50	146	133332	51.314	uq/L	99
65) 1,2-Dichlorobenzene	11.87	146	133716	52.039	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	23725	54.878	uq/L	99
67) 1,3,5-Trichlorobenzene	12.88	180	100612	50.881	uq/L	98
68) 1,2,4-trichlorobenzene	13.50	180	90224	53.859	uq/L	99
69) Naphthalene	13.74	128	282656	53.493	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	98144	56.294	uq/L	98

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

