

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032419\
 Data File : VU030358.D
 Acq On : 24 Mar 2019 09:47
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05057

Quant Time: Mar 25 03:19:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM032319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sun Mar 24 02:05:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	454566	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	444016	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	205812	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	150958	41.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.54%
7) Chloroethane-d5	1.67	69	128450	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.27	63	312962	45.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.20%
21) 2-Butanone-d5	4.17	46	319271	92.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.84%
24) Chloroform-d	4.64	84	300907	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
26) 1,2-Dichloroethane-d4	5.31	65	189581	45.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.92%
32) Benzene-d6	5.34	84	594913	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
36) 1,2-Dichloropropane-d6	6.33	67	210737	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.74%
41) Toluene-d8	7.56	98	538577	47.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	7.85	79	97218	47.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.92%
47) 2-Hexanone-d5	8.31	63	216812	91.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.84%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	290845	46.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.30%
64) 1,2-Dichlorobenzene-d4	11.86	152	193318	46.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	241926	48.237	ug/L 98
3) Chloromethane	1.33	50	275360	49.090	ug/L 99
5) Vinyl chloride	1.40	62	258834	48.661	ug/L 99
6) Bromomethane	1.62	94	127702	52.334	ug/L 98
8) Chloroethane	1.69	64	149751	49.869	ug/L 98
9) Trichlorofluoromethane	1.88	101	286845	49.452	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	170791	51.480	ug/L 99
12) 1,1-Dichloroethene	2.28	96	160220	49.264	ug/L 99
13) Acetone	2.32	43	398489	114.580	ug/L 99
14) Carbon disulfide	2.48	76	510983	47.518	ug/L 100
15) Methyl Acetate	2.61	43	248291	46.625	ug/L # 100
16) Methylene chloride	2.70	84	188765	49.234	ug/L 100
17) trans-1,2-Dichloroethene	2.98	96	164144	48.107	ug/L 98
18) Methyl tert-butyl Ether	3.00	73	556206	49.293	ug/L 99
19) 1,1-Dichloroethane	3.44	63	343921	49.130	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	185234	48.407	ug/L 99
22) 2-Butanone	4.26	43	446554	106.229	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	88389	49.696	uq/L	95
25) Chloroform	4.67	83	324033	48.685	uq/L	97
27) 1,2-Dichloroethane	5.40	62	257767	49.355	uq/L	99
29) Cyclohexane	4.99	56	337292	50.197	uq/L	100
30) 1,1,1-Trichloroethane	4.91	97	265551	48.844	uq/L	99
31) Carbon tetrachloride	5.13	117	224785	48.779	uq/L	100
33) Benzene	5.39	78	747258	49.439	uq/L	100
34) Trichloroethene	6.18	95	179804	48.391	uq/L	98
35) Methylcyclohexane	6.41	83	309024	50.540	uq/L	98
37) 1,2-Dichloropropane	6.43	63	203649	47.477	uq/L	99
38) Bromodichloromethane	6.75	83	242097	47.501	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	305252	49.511	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	646601	89.744	uq/L	100
42) Toluene	7.63	91	776838	49.523	uq/L	99
44) trans-1,3-Dichloropropene	7.88	75	268545	49.503	uq/L	99
45) 1,1,2-Trichloroethane	8.06	97	175195	48.339	uq/L	99
46) Tetrachloroethene	8.22	164	129050	49.725	uq/L	97
48) 2-Hexanone	8.36	43	555979	94.153	uq/L	98
49) Dibromochloromethane	8.47	129	185128	49.159	uq/L	99
50) 1,2-Dibromoethane	8.58	107	190253	48.913	uq/L	98
51) Chlorobenzene	9.12	112	453312	47.682	uq/L	98
52) Ethylbenzene	9.25	91	834251	49.094	uq/L	100
53) m,p-Xylene	9.37	106	304572	49.640	uq/L	96
54) o-xylene	9.77	106	298219	49.813	uq/L	99
55) Styrene	9.79	104	515678	50.004	uq/L	99
56) Isopropylbenzene	10.16	105	777310	49.035	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.45	83	313091	46.872	uq/L	98
59) 1,2,3-Trichloropropane	10.49	75	238868	45.751	uq/L	98
61) Bromoform	9.95	173	136375	49.838	uq/L	99
62) 1,3-Dichlorobenzene	11.41	146	326189	48.464	uq/L	99
63) 1,4-Dichlorobenzene	11.50	146	325586	46.989	uq/L	98
65) 1,2-Dichlorobenzene	11.88	146	332610	48.872	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	66507	43.888	uq/L	100
67) 1,3,5-Trichlorobenzene	12.88	180	245516	48.726	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	206858	47.249	uq/L	99
69) Naphthalene	13.74	128	658631	42.308	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	212672	46.003	uq/L	100

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

