

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052119\
 Data File : VU032214.D
 Acq On : 21 May 2019 21:16
 Operator : JC/SP
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05049

Quant Time: May 22 02:14:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052119WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 02:08:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	825626	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	826124	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	401041	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	239086	44.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.80%
7) Chloroethane-d5	1.67	69	217812	46.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.82%
11) 1,1-Dichloroethene-d2	2.27	63	458130	44.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.34%
21) 2-Butanone-d5	4.17	46	323125	97.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.24%
24) Chloroform-d	4.64	84	503937	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
26) 1,2-Dichloroethane-d4	5.30	65	294313	46.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.96%
32) Benzene-d6	5.33	84	1031264	48.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.04%
36) 1,2-Dichloropropane-d6	6.32	67	301317	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.20%
41) Toluene-d8	7.56	98	976021	47.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.92%
43) trans-1,3-Dichloropropene-	7.85	79	137336	44.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.76%
47) 2-Hexanone-d5	8.31	63	273280	97.16	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.16%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	469643	46.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.64%
64) 1,2-Dichlorobenzene-d4	11.86	152	398776	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	320566	47.662	ug/L	98
3) Chloromethane	1.32	50	283142	48.221	ug/L	100
5) Vinyl chloride	1.40	62	315372	47.787	ug/L	100
6) Bromomethane	1.61	94	208220	46.493	ug/L	99
8) Chloroethane	1.69	64	188510	47.432	ug/L	97
9) Trichlorofluoromethane	1.88	101	434723	46.826	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	258510	46.455	ug/L	97
12) 1,1-Dichloroethene	2.28	96	262064	47.363	ug/L	98
13) Acetone	2.32	43	233905	69.135	ug/L	99
14) Carbon disulfide	2.47	76	720338	44.527	ug/L	99
15) Methyl Acetate	2.61	43	238719	49.455	ug/L	99
16) Methylene chloride	2.70	84	303337	47.764	ug/L	99
17) trans-1,2-Dichloroethene	2.98	96	276227	48.254	ug/L	96
18) Methyl tert-butyl Ether	2.99	73	819943	49.956	ug/L	100
19) 1,1-Dichloroethane	3.44	63	467001	48.317	ug/L	100
20) cis-1,2-Dichloroethene	4.22	96	313282	48.941	ug/L	95
22) 2-Butanone	4.26	43	344872	92.017	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	165749	48.177	ug/L	96
25) Chloroform	4.67	83	510067	47.945	ug/L	99
27) 1,2-Dichloroethane	5.40	62	383076	49.116	ug/L	97
29) Cyclohexane	4.99	56	386998	50.218	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	425366	48.245	ug/L	98
31) Carbon tetrachloride	5.13	117	371022	47.689	ug/L	98
33) Benzene	5.38	78	1140156	49.416	ug/L	100
34) Trichloroethene	6.18	95	302941	49.116	ug/L	98
35) Methylcyclohexane	6.41	83	452168	48.538	ug/L	99
37) 1,2-Dichloropropane	6.43	63	275545	48.937	ug/L	100
38) Bromodichloromethane	6.75	83	373615	48.076	ug/L	100
39) cis-1,3-Dichloropropene	7.26	75	437316	49.482	ug/L	98
40) 4-Methyl-2-pentanone	7.45	43	640119	99.442	ug/L	100
42) Toluene	7.63	91	1264918	49.649	ug/L	100
44) trans-1,3-Dichloropropene	7.87	75	374735	47.693	ug/L	99
45) 1,1,2-Trichloroethane	8.06	97	298660	48.947	ug/L	97
46) Tetrachloroethene	8.22	164	248411	48.772	ug/L	97
48) 2-Hexanone	8.36	43	505748	91.716	ug/L	99
49) Dibromochloromethane	8.47	129	315832	48.260	ug/L	99
50) 1,2-Dibromoethane	8.58	107	318551	49.491	ug/L	100
51) Chlorobenzene	9.12	112	838017	48.809	ug/L	99
52) Ethylbenzene	9.24	91	1386838	50.491	ug/L	100
53) m,p-Xylene	9.37	106	554775	51.281	ug/L	99
54) o-xylene	9.77	106	544062	50.964	ug/L	97
55) Styrene	9.79	104	940177	51.582	ug/L	98
56) Isopropylbenzene	10.16	105	1384189	50.476	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	481812	47.145	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	377265	48.432	ug/L	100
61) Bromoform	9.95	173	237887	46.632	ug/L	100
62) 1,3-Dichlorobenzene	11.41	146	634911	48.524	ug/L	98
63) 1,4-Dichlorobenzene	11.50	146	659351	47.942	ug/L	98
65) 1,2-Dichlorobenzene	11.87	146	679008	49.620	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.65	75	101410	47.941	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	492963	49.265	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	394847	50.615	ug/L	98
69) Naphthalene	13.74	128	1264206	53.402	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	441817	50.399	ug/L	98

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

