

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082218\
 Data File : VU026285.D
 Acq On : 23 Aug 2018 05:56
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05048

Quant Time: Aug 23 07:48:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 23 07:46:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	299022	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	293190	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	160630	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90494	49.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.24%
7) Chloroethane-d5	1.68	69	75708	50.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.82%
11) 1,1-Dichloroethene-d2	2.27	63	182986	51.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.10%
21) 2-Butanone-d5	4.18	46	144544	99.30	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.30%
24) Chloroform-d	4.65	84	209609	51.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.12%
26) 1,2-Dichloroethane-d4	5.31	65	132933	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
32) Benzene-d6	5.35	84	398169	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
36) 1,2-Dichloropropane-d6	6.33	67	127696	50.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.42%
41) Toluene-d8	7.57	98	387662	51.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.42%
43) trans-1,3-Dichloropropene-	7.85	79	61805	47.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.00%
47) 2-Hexanone-d5	8.31	63	107523	99.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.89%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	184389	49.47	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.94%
64) 1,2-Dichlorobenzene-d4	11.86	152	169153	49.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.26%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	125229	53.33	ug/L	100
3) Chloromethane	1.33	50	117050	54.07	ug/L	100
5) Vinyl chloride	1.40	62	116317	53.33	ug/L	97
6) Bromomethane	1.63	94	69979	51.60	ug/L	100
8) Chloroethane	1.70	64	69353	55.45	ug/L	98
9) Trichlorofluoromethane	1.89	101	166533	53.91	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	94457	55.11	ug/L	98
12) 1,1-Dichloroethene	2.28	96	86391	54.89	ug/L	98
13) Acetone	2.32	43	97916	86.91	ug/L	97
14) Carbon disulfide	2.48	76	308391	51.08	ug/L	99
15) Methyl Acetate	2.62	43	114498	52.81	ug/L	100
16) Methylene chloride	2.70	84	113719	53.69	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	103053	53.12	ug/L	99
18) Methyl tert-butyl Ether	3.00	73	315440	54.28	ug/L	100
19) 1,1-Dichloroethane	3.45	63	193840	54.87	ug/L	96
20) cis-1,2-Dichloroethene	4.23	96	114729	53.58	ug/L	100
22) 2-Butanone	4.26	43	151804	100.72	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	62467	54.55	ug/L	98
25) Chloroform	4.68	83	205772	54.56	ug/L	97
27) 1,2-Dichloroethane	5.41	62	161869	53.88	ug/L	99
29) Cyclohexane	5.00	56	163572	54.40	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	182632	53.61	ug/L	100
31) Carbon tetrachloride	5.14	117	168886	52.73	ug/L	99
33) Benzene	5.39	78	437648	54.75	ug/L	100
34) Trichloroethene	6.19	95	111564	52.78	ug/L	97
35) Methylcyclohexane	6.42	83	171550	53.08	ug/L	98
37) 1,2-Dichloropropane	6.44	63	119067	54.51	ug/L	98
38) Bromodichloromethane	6.76	83	155746	53.32	ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	162833	49.07	ug/L	96
40) 4-Methyl-2-pentanone	7.46	43	290100	104.78	ug/L	100
42) Toluene	7.64	91	468188	55.05	ug/L	99
44) trans-1,3-Dichloropropene	7.88	75	164275	51.45	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	110937	53.76	ug/L	98
46) Tetrachloroethene	8.23	164	96144	52.86	ug/L	98
48) 2-Hexanone	8.36	43	232685	104.43	ug/L	99
49) Dibromochloromethane	8.48	129	134988	53.23	ug/L	99
50) 1,2-Dibromoethane	8.59	107	120324	52.83	ug/L	100
51) Chlorobenzene	9.12	112	307127	52.80	ug/L	99
52) Ethylbenzene	9.25	91	507277	54.76	ug/L	99
53) m,p-Xylene	9.38	106	198756	55.51	ug/L	95
54) o-xylene	9.78	106	191849	54.93	ug/L	100
55) Styrene	9.80	104	342730	57.49	ug/L	96
56) Isopropylbenzene	10.17	105	503945	55.62	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.46	83	184245	52.75	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	143297	52.62	ug/L	100
61) Bromoform	9.96	173	102979	51.75	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	240600	50.81	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	258078	51.58	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	262043	52.62	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	40512	48.69	ug/L	97
67) 1,3,5-Trichlorobenzene	12.89	180	192981	51.92	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	165854	51.12	ug/L	98
69) Naphthalene	13.74	128	525425	54.36	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	185340	53.61	ug/L	98

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

