

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091518\
 Data File : VU026750.D
 Acq On : 14 Sep 2018 00:51
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05042

Quant Time: Sep 14 03:02:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 14 01:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	195237	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	183616	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	91140	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	68094	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.60%
7) Chloroethane-d5	1.68	69	52768	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.02%
11) 1,1-Dichloroethene-d2	2.27	63	123510	47.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.88%
21) 2-Butanone-d5	4.18	46	89576	98.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.94%
24) Chloroform-d	4.65	84	107950	44.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.24%
26) 1,2-Dichloroethane-d4	5.31	65	70140	44.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.60%
32) Benzene-d6	5.34	84	219882	46.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.54%
36) 1,2-Dichloropropane-d6	6.33	67	74444	46.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.36%
41) Toluene-d8	7.57	98	206991	46.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.84%
43) trans-1,3-Dichloropropene-	7.85	79	33011	44.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.04%
47) 2-Hexanone-d5	8.31	63	65468	100.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.62%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	99878	45.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.48%
64) 1,2-Dichlorobenzene-d4	11.86	152	82156	45.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	61091	49.709	ug/L 100
3) Chloromethane	1.33	50	81836	50.657	ug/L 100
5) Vinyl chloride	1.40	62	88275	52.881	ug/L 99
6) Bromomethane	1.62	94	43941	45.170	ug/L 96
8) Chloroethane	1.70	64	53557	51.731	ug/L 100
9) Trichlorofluoromethane	1.88	101	110253	52.378	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	62880	52.455	ug/L 99
12) 1,1-Dichloroethene	2.28	96	60819	52.831	ug/L 93
13) Acetone	2.32	43	74847	72.582	ug/L 99
14) Carbon disulfide	2.48	76	183154	48.986	ug/L 99
15) Methyl Acetate	2.61	43	83900	57.031	ug/L 98
16) Methylene chloride	2.70	84	74307	54.694	ug/L 99
17) trans-1,2-Dichloroethene	2.98	96	63831	52.329	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	213090	56.693	ug/L 99
19) 1,1-Dichloroethane	3.45	63	129330	54.669	ug/L 100
20) cis-1,2-Dichloroethene	4.23	96	74354	54.117	ug/L 98
22) 2-Butanone	4.26	43	116517	98.686	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	38118	54.243	ug/L	95
25) Chloroform	4.67	83	131856	55.453	ug/L	99
27) 1,2-Dichloroethane	5.41	62	103841	54.998	ug/L	100
29) Cyclohexane	5.00	56	111748	55.561	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	107222	55.122	ug/L	99
31) Carbon tetrachloride	5.14	117	95508	54.320	ug/L	98
33) Benzene	5.39	78	291041	56.602	ug/L	100
34) Trichloroethene	6.19	95	69516	54.393	ug/L	97
35) Methylcyclohexane	6.42	83	110884	54.202	ug/L	99
37) 1,2-Dichloropropane	6.43	63	81037	56.415	ug/L	100
38) Bromodichloromethane	6.76	83	98423	55.911	ug/L	99
39) cis-1,3-Dichloropropene	7.27	75	110683	52.071	ug/L	100
40) 4-Methyl-2-pentanone	7.46	43	219559	119.825	ug/L	99
42) Toluene	7.64	91	294840	55.323	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	104930	53.063	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	71632	56.218	ug/L	98
46) Tetrachloroethene	8.23	164	56814	52.894	ug/L	99
48) 2-Hexanone	8.36	43	171184	110.655	ug/L	99
49) Dibromochloromethane	8.48	129	81407	55.275	ug/L	97
50) 1,2-Dibromoethane	8.59	107	75794	55.607	ug/L	99
51) Chlorobenzene	9.12	112	220222	62.933	ug/L	100
52) Ethylbenzene	9.25	91	321061	55.704	ug/L	99
53) m,p-Xylene	9.38	106	121453	55.885	ug/L	99
54) o-xylene	9.78	106	122607	56.844	ug/L	100
55) Styrene	9.79	104	206228	56.523	ug/L	100
56) Isopropylbenzene	10.17	105	310858	56.577	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.46	83	123723	56.050	ug/L	99
59) 1,2,3-Trichloropropane	10.49	75	95033	55.915	ug/L	99
61) Bromoform	9.96	173	61631	54.894	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	150930	57.674	ug/L	99
63) 1,4-Dichlorobenzene	11.51	146	227757	82.155	ug/L	99
65) 1,2-Dichlorobenzene	11.88	146	273511	98.892	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.66	75	25717	57.555	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	109878	52.933	ug/L	99
68) 1,2,4-trichlorobenzene	13.50	180	127395	70.610	ug/L	99
69) Naphthalene	13.74	128	323383	58.493	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	114825	58.754	ug/L	98

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

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