

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082418\
 Data File : VU026327.D
 Acq On : 24 Aug 2018 12:29
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05052

Quant Time: Aug 25 02:27:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303191	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	290359	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	152120	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	89022	48.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.28%
7) Chloroethane-d5	1.68	69	75207	49.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.74%
11) 1,1-Dichloroethene-d2	2.27	63	180018	49.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.06%
21) 2-Butanone-d5	4.18	46	151438	102.61	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.61%
24) Chloroform-d	4.65	84	218822	53.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.18%
26) 1,2-Dichloroethane-d4	5.31	65	136113	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
32) Benzene-d6	5.34	84	414086	53.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.62%
36) 1,2-Dichloropropane-d6	6.33	67	132557	53.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.30%
41) Toluene-d8	7.57	98	396723	53.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.86%
43) trans-1,3-Dichloropropene-	7.85	79	65413	50.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.52%
47) 2-Hexanone-d5	8.31	63	110700	103.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	190314	51.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	161772	50.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	117561	49.380 ug/L	99
3) Chloromethane	1.33	50	106471	48.507 ug/L	100
5) Vinyl chloride	1.40	62	107049	48.406 ug/L	97
6) Bromomethane	1.63	94	57553	41.856 ug/L	99
8) Chloroethane	1.70	64	61588	48.564 ug/L	99
9) Trichlorofluoromethane	1.89	101	157228	50.197 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	93168	53.606 ug/L	99
12) 1,1-Dichloroethene	2.28	96	81068	50.802 ug/L	95
13) Acetone	2.32	43	119483	104.600 ug/L	98
14) Carbon disulfide	2.48	76	280516	45.822 ug/L	100
15) Methyl Acetate	2.62	43	103149	46.922 ug/L	97
16) Methylene chloride	2.70	84	104460	48.644 ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	94466	48.027 ug/L	99
18) Methyl tert-butyl Ether	3.00	73	288205	48.911 ug/L	99
19) 1,1-Dichloroethane	3.45	63	177806	49.641 ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	109353	50.367 ug/L	92
22) 2-Butanone	4.26	43	148592	97.229 ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	58317	50.225	ug/L	96
25) Chloroform	4.68	83	188685	49.344	ug/L	97
27) 1,2-Dichloroethane	5.41	62	146658	48.147	ug/L	98
29) Cyclohexane	5.00	56	151140	50.757	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	170495	50.538	ug/L	99
31) Carbon tetrachloride	5.14	117	155432	49.006	ug/L	99
33) Benzene	5.39	78	396470	50.085	ug/L	100
34) Trichloroethene	6.19	95	107938	51.566	ug/L	98
35) Methylcyclohexane	6.42	83	161336	50.404	ug/L	98
37) 1,2-Dichloropropane	6.44	63	108833	50.307	ug/L	100
38) Bromodichloromethane	6.76	83	142927	49.408	ug/L	97
39) cis-1,3-Dichloropropene	7.27	75	163839	49.859	ug/L	99
40) 4-Methyl-2-pentanone	7.46	43	264751	96.561	ug/L	99
42) Toluene	7.64	91	428673	50.895	ug/L	100
44) trans-1,3-Dichloropropene	7.88	75	156023	49.346	ug/L	99
45) 1,1,2-Trichloroethane	8.07	97	101099	49.470	ug/L	99
46) Tetrachloroethene	8.23	164	90156	50.055	ug/L	98
48) 2-Hexanone	8.36	43	212666	96.379	ug/L	98
49) Dibromochloromethane	8.48	129	125341	49.904	ug/L	99
50) 1,2-Dibromoethane	8.59	107	106948	47.414	ug/L	96
51) Chlorobenzene	9.12	112	280407	48.675	ug/L	98
52) Ethylbenzene	9.25	91	460748	50.222	ug/L	99
53) m,p-Xylene	9.38	106	184141	51.931	ug/L	98
54) o-xylene	9.78	106	174152	50.352	ug/L	99
55) Styrene	9.80	104	306486	51.912	ug/L	99
56) Isopropylbenzene	10.17	105	460656	51.340	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	169498	49.005	ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	130464	48.374	ug/L	99
61) Bromoform	9.96	173	93052	49.379	ug/L	99
62) 1,3-Dichlorobenzene	11.42	146	220540	49.182	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	229058	48.344	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	233983	49.610	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.66	75	37700	47.848	ug/L	96
67) 1,3,5-Trichlorobenzene	12.89	180	173792	49.374	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	147093	47.871	ug/L	100
69) Naphthalene	13.74	128	457718	50.002	ug/L	99
70) 1,2,3-Trichlorobenzene	13.99	180	161137	49.221	ug/L	99

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

