

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022719\
 Data File : VU029679.D
 Acq On : 26 Feb 2019 14:01
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05058

Quant Time: Feb 27 01:40:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 26 00:12:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	474550	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	472516	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	251631	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	157633	45.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.66%
7) Chloroethane-d5	1.68	69	139129	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.02%
11) 1,1-Dichloroethene-d2	2.27	63	304919	44.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.72%
21) 2-Butanone-d5	4.17	46	226730	107.14	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.14%
24) Chloroform-d	4.64	84	300376	53.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.52%
26) 1,2-Dichloroethane-d4	5.31	65	185526	51.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.92%
32) Benzene-d6	5.34	84	638685	53.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.44%
36) 1,2-Dichloropropane-d6	6.33	67	192283	53.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.50%
41) Toluene-d8	7.56	98	619063	51.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.04%
43) trans-1,3-Dichloropropene-	7.85	79	96497	50.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.72%
47) 2-Hexanone-d5	8.31	63	179818	90.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	308127	50.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	271117	50.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.21	85	175123	53.821	ug/L 100
3) Chloromethane	1.33	50	152045	53.266	ug/L 99
5) Vinyl chloride	1.40	62	193400	49.889	ug/L 99
6) Bromomethane	1.62	94	102400	57.878	ug/L 98
8) Chloroethane	1.70	64	118287	45.875	ug/L 99
9) Trichlorofluoromethane	1.88	101	276792	44.791	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.29	101	163418	49.438	ug/L 98
12) 1,1-Dichloroethene	2.28	96	150039	47.744	ug/L 97
13) Acetone	2.32	43	244975	108.336	ug/L 100
14) Carbon disulfide	2.48	76	441763	53.676	ug/L 100
15) Methyl Acetate	2.61	43	163699	55.774	ug/L 100
16) Methylene chloride	2.70	84	171910	56.533	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	162682	56.087	ug/L 97
18) Methyl tert-butyl Ether	3.00	73	490556	54.628	ug/L 99
19) 1,1-Dichloroethane	3.44	63	283014	56.429	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	184293	54.682	ug/L 99
22) 2-Butanone	4.26	43	277542	107.548	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.55	128	98003	53.044	uq/L	97
25) Chloroform	4.67	83	315262	56.339	uq/L	99
27) 1,2-Dichloroethane	5.40	62	224919	52.279	uq/L	100
29) Cyclohexane	4.99	56	254032	54.326	uq/L	97
30) 1,1,1-Trichloroethane	4.91	97	259549	51.805	uq/L	99
31) Carbon tetrachloride	5.13	117	228964	50.492	uq/L	99
33) Benzene	5.39	78	663511	54.770	uq/L	100
34) Trichloroethene	6.18	95	178001	54.542	uq/L	96
35) Methylcyclohexane	6.41	83	298865	55.143	uq/L	98
37) 1,2-Dichloropropane	6.43	63	175300	55.123	uq/L	100
38) Bromodichloromethane	6.75	83	225698	52.644	uq/L	99
39) cis-1,3-Dichloropropene	7.27	75	278416	54.263	uq/L	99
40) 4-Methyl-2-pentanone	7.46	43	454787	101.697	uq/L	98
42) Toluene	7.63	91	754199	52.643	uq/L	100
44) trans-1,3-Dichloropropene	7.87	75	254457	52.623	uq/L	100
45) 1,1,2-Trichloroethane	8.06	97	178354	52.617	uq/L	99
46) Tetrachloroethene	8.22	164	161011	50.406	uq/L	98
48) 2-Hexanone	8.36	43	384563	98.439	uq/L	97
49) Dibromochloromethane	8.47	129	203975	49.638	uq/L	99
50) 1,2-Dibromoethane	8.58	107	194288	51.735	uq/L	99
51) Chlorobenzene	9.12	112	508154	51.678	uq/L	99
52) Ethylbenzene	9.25	91	841760	51.733	uq/L	100
53) m,p-Xylene	9.37	106	334920	51.277	uq/L	97
54) o-xylene	9.77	106	328413	50.057	uq/L	99
55) Styrene	9.79	104	564087	50.931	uq/L	98
56) Isopropylbenzene	10.16	105	863983	50.325	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.45	83	304318	50.771	uq/L	100
59) 1,2,3-Trichloropropane	10.49	75	227634	50.203	uq/L	99
61) Bromoform	9.95	173	162089	47.833	uq/L	100
62) 1,3-Dichlorobenzene	11.41	146	425284	53.008	uq/L	99
63) 1,4-Dichlorobenzene	11.50	146	434951	53.871	uq/L	99
65) 1,2-Dichlorobenzene	11.88	146	431558	51.530	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.65	75	62726	48.130	uq/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	336024	54.885	uq/L	99
68) 1,2,4-trichlorobenzene	13.50	180	297919	56.261	uq/L	99
69) Naphthalene	13.74	128	906832	55.715	uq/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	308810	54.916	uq/L	99

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

