

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU010820\
 Data File : VU036413.D
 Acq On : 08 Jan 2020 18:25
 Operator : JC/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05055

Quant Time: Jan 09 03:53:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 09 03:50:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	495683	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	483105	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	221201	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149054	38.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.18%
7) Chloroethane-d5	1.93	69	139515	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.64%
11) 1,1-Dichloroethene-d2	2.59	63	307919	46.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.60%
21) 2-Butanone-d5	4.68	46	302958	105.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.33%
24) Chloroform-d	5.11	84	343839	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
26) 1,2-Dichloroethane-d4	5.75	65	228889	51.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.42%
32) Benzene-d6	5.77	84	663164	49.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.62%
36) 1,2-Dichloropropane-d6	6.73	67	217470	48.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.42%
41) Toluene-d8	7.93	98	636906	49.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.66%
43) trans-1,3-Dichloropropene-	8.21	79	113702	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.90%
47) 2-Hexanone-d5	8.67	63	229673	98.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	336098	49.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.26%
64) 1,2-Dichlorobenzene-d4	12.21	152	224454	48.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.74%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	180867	45.685	ug/L 99
3) Chloromethane	1.54	50	165760	46.016	ug/L 100
5) Vinyl chloride	1.62	62	175332	41.936	ug/L 98
6) Bromomethane	1.87	94	98571	48.785	ug/L 99
8) Chloroethane	1.95	64	109771	43.637	ug/L 99
9) Trichlorofluoromethane	2.16	101	263322	44.798	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	143063	49.166	ug/L 98
12) 1,1-Dichloroethene	2.61	96	139517	48.640	ug/L 96
13) Acetone	2.66	43	216860	72.692	ug/L 98
14) Carbon disulfide	2.82	76	375769	42.334	ug/L 98
15) Methyl Acetate	2.99	43	214064	53.361	ug/L 97
16) Methylene chloride	3.08	84	178576	50.859	ug/L 98
17) trans-1,2-Dichloroethene	3.39	96	149635	48.321	ug/L 93
18) Methyl tert-butyl Ether	3.41	73	584871	51.992	ug/L 99
19) 1,1-Dichloroethane	3.92	63	315490	50.827	ug/L 97
20) cis-1,2-Dichloroethene	4.72	96	186196	49.710	ug/L # 95
22) 2-Butanone	4.76	43	326544	92.656	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.02	128	89327	49.679	ug/L	97
25) Chloroform	5.13	83	337893	51.090	ug/L	96
27) 1,2-Dichloroethane	5.84	62	267502	52.323	ug/L	98
29) Cyclohexane	5.43	56	266649	47.637	ug/L	97
30) 1,1,1-Trichloroethane	5.36	97	289659	48.920	ug/L	98
31) Carbon tetrachloride	5.57	117	249400	48.591	ug/L	100
33) Benzene	5.82	78	693868	48.893	ug/L	100
34) Trichloroethene	6.58	95	184991	50.563	ug/L	98
35) Methylcyclohexane	6.80	83	268056	45.902	ug/L	99
37) 1,2-Dichloropropane	6.83	63	193362	50.317	ug/L	99
38) Bromodichloromethane	7.14	83	267622	49.365	ug/L	99
39) cis-1,3-Dichloropropene	7.64	75	304412	47.318	ug/L	99
40) 4-Methyl-2-pentanone	7.83	43	630338	96.527	ug/L	100
42) Toluene	8.00	91	755783	48.364	ug/L	97
44) trans-1,3-Dichloropropene	8.24	75	289160	48.248	ug/L	95
45) 1,1,2-Trichloroethane	8.43	97	188667	52.624	ug/L	97
46) Tetrachloroethene	8.58	164	121608	46.196	ug/L	97
48) 2-Hexanone	8.72	43	479641	95.458	ug/L	98
49) Dibromochloromethane	8.84	129	207665	47.190	ug/L	98
50) 1,2-Dibromoethane	8.95	107	205272	49.369	ug/L	99
51) Chlorobenzene	9.47	112	485824	49.255	ug/L	97
52) Ethylbenzene	9.60	91	865800	48.679	ug/L	99
53) m,p-Xylene	9.72	106	317568	48.133	ug/L	97
54) o-xylene	10.13	106	321595	48.579	ug/L	100
55) Styrene	10.14	104	542971	48.509	ug/L	100
56) Isopropylbenzene	10.51	105	850498	49.292	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.81	83	326318	48.152	ug/L	98
59) 1,2,3-Trichloropropane	10.85	75	272581	50.555	ug/L	98
61) Bromoform	10.32	173	150641	45.828	ug/L	98
62) 1,3-Dichlorobenzene	11.77	146	342879	47.968	ug/L	97
63) 1,4-Dichlorobenzene	11.86	146	343916	48.502	ug/L	98
65) 1,2-Dichlorobenzene	12.23	146	349985	48.867	ug/L	97
66) 1,2-Dibromo-3-chloropropan	13.02	75	78813	47.159	ug/L	90
67) 1,3,5-Trichlorobenzene	13.24	180	208724	43.972	ug/L	96
68) 1,2,4-trichlorobenzene	13.86	180	149977	41.691	ug/L	99
69) Naphthalene	14.10	128	494773	40.026	ug/L	99
70) 1,2,3-Trichlorobenzene	14.35	180	156551	41.439	ug/L	96

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

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