

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013496.D
 Acq On : 06 Nov 2019 13:33
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:25 AM

Quant Time: Nov 07 02:51:07 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:53:11 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	920452	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	859978	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	444363	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	280513	52.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	104.10%
7) Chloroethane-d5	1.58	69	229290	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.52%
11) 1,1-Dichloroethene-d2	2.13	63	484905	51.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.88%
21) 2-Butanone-d5	3.92	46	461238	115.73	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.73%
24) Chloroform-d	4.39	84	625538	53.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.92%
26) 1,2-Dichloroethane-d4	5.07	65	400760	52.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.96%
32) Benzene-d6	5.09	84	1261040	54.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.96%
36) 1,2-Dichloropropane-d6	6.11	67	404019	54.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.60%
41) Toluene-d8	7.35	98	1200420	56.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.76%
43) trans-1,3-Dichloropropene-	7.66	79	191827	56.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.20%
47) 2-Hexanone-d5	8.13	63	330373	122.40	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	122.40%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	514391	55.03	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.06%
64) 1,2-Dichlorobenzene-d4	11.67	152	483937	54.63	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.26%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	395897	51.680 ug/L	99
3) Chloromethane	1.25	50	360971	49.603 ug/L	98
5) Vinyl chloride	1.32	62	351887	51.749 ug/L	98
6) Bromomethane	1.53	94	170627	52.305 ug/L	99
8) Chloroethane	1.60	64	181252	47.576 ug/L	98
9) Trichlorofluoromethane	1.77	101	401987	44.535 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	241761	47.559 ug/L	100
12) 1,1-Dichloroethene	2.14	96	236631	48.767 ug/L	97
13) Acetone	2.18	43	260090	69.930 ug/L	97
14) Carbon disulfide	2.32	76	838572	49.382 ug/L	100
15) Methyl Acetate	2.45	43	339058	49.967 ug/L	100
16) Methylene chloride	2.53	84	320612	48.820 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	299094	49.503 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	906477	49.202 ug/L	99
19) 1,1-Dichloroethane	3.23	63	561796	48.762 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	330440m	50.089 ug/L	
22) 2-Butanone	4.00	43	469604	95.318 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	169815	48.701	ug/L	99
25) Chloroform	4.42	83	569836	48.072	ug/L	100
27) 1,2-Dichloroethane	5.17	62	445758	49.072	ug/L	99
29) Cyclohexane	4.72	56	527266	53.368	ug/L	98
30) 1,1,1-Trichloroethane	4.65	97	485330	50.706	ug/L	99
31) Carbon tetrachloride	4.87	117	430537	50.443	ug/L	99
33) Benzene	5.14	78	1249487	51.171	ug/L	100
34) Trichloroethene	5.96	95	325074	50.097	ug/L	99
35) Methylcyclohexane	6.17	83	526590	52.645	ug/L	99
37) 1,2-Dichloropropane	6.22	63	320976	49.940	ug/L	100
38) Bromodichloromethane	6.55	83	425444	50.332	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	504014	51.623	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	904069	109.118	ug/L	100
42) Toluene	7.43	91	1332820	52.379	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	460823	54.237	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	302826	50.317	ug/L	99
46) Tetrachloroethene	8.01	164	282771	51.061	ug/L	99
48) 2-Hexanone	8.18	43	691787	105.729	ug/L	99
49) Dibromochloromethane	8.29	129	355112	51.320	ug/L	99
50) 1,2-Dibromoethane	8.39	107	322880	51.127	ug/L	99
51) Chlorobenzene	8.92	112	854125	50.502	ug/L	99
52) Ethylbenzene	9.05	91	1453336	52.638	ug/L	100
53) m,p-Xylene	9.18	106	552413	52.715	ug/L	99
54) o-xylene	9.58	106	539325	53.660	ug/L	97
55) Styrene	9.60	104	940884	54.152	ug/L	99
56) Isopropylbenzene	9.97	105	1432801	54.290	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	462628	50.908	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	383116	50.629	ug/L	100
61) Bromoform	9.77	173	268828	51.593	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	703993	52.272	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	712289	51.062	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	693958	51.454	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	92210	49.564	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	538678	51.195	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	461760	50.094	ug/L	100
69) Naphthalene	13.55	128	1284393	52.146	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	489673	50.020	ug/L	99

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

