

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013494.D
 Acq On : 06 Nov 2019 11:52
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:20 AM

Quant Time: Nov 07 01:36:48 2019

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

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:22:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	950145	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	899783	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	491761	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	551993	89.21	ug/L	0.00
7) Chloroethane-d5	1.58	69	447691	92.62	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	991844	106.00	ug/L	0.00
21) 2-Butanone-d5	3.92	46	908919	210.86	ug/L	0.00
24) Chloroform-d	4.40	84	1228391	91.53	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	791525	98.08	ug/L	0.00
32) Benzene-d6	5.10	84	2477680	91.55	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	788133	92.88	ug/L	0.00
41) Toluene-d8	7.36	98	2353782	96.16	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	390077	103.47	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	666693	246.55	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	1020755	91.70	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	958948	86.74	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	819214	99.747	ug/L	99
3) Chloromethane	1.25	50	801039	122.808	ug/L	100
5) Vinyl chloride	1.32	62	740009	112.676	ug/L	100
6) Bromomethane	1.53	94	380294	113.950	ug/L	97
8) Chloroethane	1.60	64	409559	110.624	ug/L	99
9) Trichlorofluoromethane	1.77	101	974471	107.177	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	549524	108.007	ug/L	98
12) 1,1-Dichloroethene	2.14	96	521103	106.304	ug/L	91
13) Acetone	2.18	43	798777	235.637	ug/L	97
14) Carbon disulfide	2.32	76	1812506	106.989	ug/L	100
15) Methyl Acetate	2.45	43	736843	108.734	ug/L	99
16) Methylene chloride	2.53	84	697899	97.294	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	651933	98.224	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	2052111	105.258	ug/L	100
19) 1,1-Dichloroethane	3.23	63	1262852	103.910	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	728014m	101.112	ug/L	
22) 2-Butanone	4.00	43	1163846	243.482	ug/L	98
23) Bromochloromethane	4.29	128	381173	98.167	ug/L	99
25) Chloroform	4.42	83	1262207	101.634	ug/L	99
27) 1,2-Dichloroethane	5.18	62	995899	108.375	ug/L	100
29) Cyclohexane	4.72	56	1202757	114.587	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	1075739	103.240	ug/L	99
31) Carbon tetrachloride	4.87	117	968825	103.418	ug/L	100
33) Benzene	5.14	78	2774930	101.781	ug/L	100
34) Trichloroethene	5.95	95	717534	100.476	ug/L	99
35) Methylcyclohexane	6.18	83	1195013	110.314	ug/L	99
37) 1,2-Dichloropropane	6.22	63	729778	105.799	ug/L	99
38) Bromodichloromethane	6.55	83	950762	104.487	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	1175967	114.097	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	2011615	229.864	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	2947275	105.335	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	1030070	115.220	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	669152	99.150	ug/L	99
46) Tetrachloroethene	8.02	164	620147	98.165	ug/L	99
48) 2-Hexanone	8.18	43	1552733	221.884	ug/L	99
49) Dibromochloromethane	8.29	129	798066	104.146	ug/L	96
50) 1,2-Dibromoethane	8.39	107	718015	100.771	ug/L	99
51) Chlorobenzene	8.92	112	1899459	100.353	ug/L	99
52) Ethylbenzene	9.05	91	3284736	110.959	ug/L	98
53) m,p-Xylene	9.18	106	1259930	110.086	ug/L	98
54) o-xylene	9.58	106	1216782	108.818	ug/L	98
55) Styrene	9.60	104	2121565	111.979	ug/L	99
56) Isopropylbenzene	9.97	105	3211729	112.164	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	1048351	100.924	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	848921	98.997	ug/L	100
61) Bromoform	9.77	173	612933	96.135	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	1567056	99.198	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	1592903	97.110	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	1567114	96.539	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	219101	96.503	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	1249836	104.292	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	1109327	110.156	ug/L	100
69) Naphthalene	13.55	128	3094561	115.123	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	1142155	106.646	ug/L	99

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

