

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV110619\
 Data File : VV013491.D
 Acq On : 06 Nov 2019 10:42
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 10:49:12 AM

Quant Time: Nov 07 01:30:04 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	971271	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	946898	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	463632	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30267	4.78	ug/L	0.00
7) Chloroethane-d5	1.58	69	23926	4.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	49420	5.17	ug/L	0.00
21) 2-Butanone-d5	3.94	46	32475	7.37	ug/L	0.02
24) Chloroform-d	4.40	84	60104	4.38	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	40181	4.87	ug/L	0.00
32) Benzene-d6	5.10	84	120740	4.24	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	40092	4.49	ug/L	0.00
41) Toluene-d8	7.36	98	106395	4.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	16644	4.20	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	21942	7.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	47791	4.08	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	50184	4.81	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	40233	4.792 ug/L	98
3) Chloromethane	1.25	50	34658	5.198 ug/L	94
5) Vinyl chloride	1.32	62	35058	5.222 ug/L	95
6) Bromomethane	1.53	94	15303	4.486 ug/L	96
8) Chloroethane	1.60	64	19426	5.133 ug/L	98
9) Trichlorofluoromethane	1.77	101	46551	5.009 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	26765	5.146 ug/L	95
12) 1,1-Dichloroethene	2.14	96	24424	4.874 ug/L	94
13) Acetone	2.18	43	38518	11.116 ug/L	99
14) Carbon disulfide	2.32	76	91200	5.266 ug/L	100
15) Methyl Acetate	2.46	43	32567	4.701 ug/L	99
16) Methylene chloride	2.53	84	33089	4.513 ug/L	96
17) trans-1,2-Dichloroethene	2.79	96	31042	4.575 ug/L	98
18) Methyl tert-butyl Ether	2.80	73	86565	4.344 ug/L	98
19) 1,1-Dichloroethane	3.23	63	55661	4.480 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	31772m	4.317 ug/L	
22) 2-Butanone	4.02	43	40995	8.390 ug/L	97
23) Bromochloromethane	4.30	128	16846	4.244 ug/L	97
25) Chloroform	4.42	83	61616	4.853 ug/L	97
27) 1,2-Dichloroethane	5.18	62	44694	4.758 ug/L	97
29) Cyclohexane	4.73	56	43656	3.952 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	48912	4.461 ug/L	97
31) Carbon tetrachloride	4.87	117	43736	4.436 ug/L	96
33) Benzene	5.14	78	121920	4.249 ug/L	100
34) Trichloroethene	5.96	95	34753	4.624 ug/L	95
35) Methylcyclohexane	6.17	83	48217m	4.230 ug/L	
37) 1,2-Dichloropropane	6.22	63	32420m	4.466 ug/L	
38) Bromodichloromethane	6.55	83	41444	4.328 ug/L	93
39) cis-1,3-Dichloropropene	7.07	75	45257	4.173 ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	73889	8.023 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	123618	4.198	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	36337	3.862	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	30884	4.348	ug/L	97
46) Tetrachloroethene	8.02	164	29232	4.397	ug/L	97
48) 2-Hexanone	8.18	43	62104	8.433	ug/L	90
49) Dibromochloromethane	8.29	129	34406	4.267	ug/L	100
50) 1,2-Dibromoethane	8.40	107	32258	4.302	ug/L	96
51) Chlorobenzene	8.92	112	88858	4.461	ug/L	99
52) Ethylbenzene	9.05	91	130323	4.183	ug/L	98
53) m,p-Xylene	9.18	106	47471	3.941	ug/L	93
54) o-xylene	9.58	106	44327	3.767	ug/L	95
55) Styrene	9.60	104	74519	3.738	ug/L	97
56) Isopropylbenzene	9.97	105	115786	3.842	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	44801	4.098	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	37638	4.171	ug/L	97
61) Bromoform	9.77	173	24959	4.152	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	69789	4.686	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	75909	4.908	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	71678	4.683	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	9518	4.447	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	54472	4.821	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	49214	5.183	ug/L	96
69) Naphthalene	13.55	128	130348	5.143	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	55246	5.471	ug/L	97

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

