

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082119\
 Data File : VV012315.D
 Acq On : 21 Aug 2019 15:23
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Manual Integrations
 APPROVED

MMDadoda
 8/22/2019 8:21:02 AM

Quant Time: Aug 22 02:27:57 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Aug 22 02:21:08 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	250698	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	235032	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	121093	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5951	3.78	ug/L	0.00
7) Chloroethane-d5	1.58	69	4098	3.06	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	12094	4.09	ug/L	0.00
21) 2-Butanone-d5	3.93	46	9054m	6.63	ug/L	0.00
24) Chloroform-d	4.40	84	16991	4.59	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	11489	4.79	ug/L	0.00
32) Benzene-d6	5.10	84	31024	4.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	8337	3.81	ug/L	0.00
41) Toluene-d8	7.36	98	29152	4.39	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4931	4.28	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	6177	6.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11344	3.54	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	13726	4.76	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11108	5.170	ug/L 100
3) Chloromethane	1.25	50	6340	3.420	ug/L 95
5) Vinyl chloride	1.33	62	5856	3.115	ug/L 90
6) Bromomethane	1.53	94	2915	2.877	ug/L 92
8) Chloroethane	1.60	64	3772	3.589	ug/L 96
9) Trichlorofluoromethane	1.77	101	12409	4.722	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5611	3.925	ug/L 96
12) 1,1-Dichloroethene	2.14	96	5120	3.785	ug/L 88
13) Acetone	2.19	43	7724	7.263	ug/L 99
14) Carbon disulfide	2.32	76	19871	4.429	ug/L 97
15) Methyl Acetate	2.46	43	6383	3.621	ug/L 97
16) Methylene chloride	2.54	84	7957	4.611	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	7601	4.584	ug/L 91
18) Methyl tert-butyl Ether	2.80	73	24376	4.808	ug/L 97
19) 1,1-Dichloroethane	3.23	63	12727	4.310	ug/L 97
20) cis-1,2-Dichloroethene	3.96	96	8126	4.423	ug/L 94
22) 2-Butanone	4.02	43	9642m	7.115	ug/L
23) Bromochloromethane	4.30	128	4424	4.558	ug/L 93
25) Chloroform	4.43	83	16232	5.080	ug/L 99
27) 1,2-Dichloroethane	5.18	62	12807	5.277	ug/L 97
29) Cyclohexane	4.73	56	10502	4.100	ug/L 98
30) 1,1,1-Trichloroethane	4.66	97	14847	5.408	ug/L 98
31) Carbon tetrachloride	4.87	117	13646	5.515	ug/L 98
33) Benzene	5.15	78	28925	4.431	ug/L 100
34) Trichloroethene	5.96	95	9025	5.119	ug/L 97
35) Methylcyclohexane	6.17	83	13129	4.730	ug/L 96
37) 1,2-Dichloropropane	6.22	63	6709	4.104	ug/L # 96
38) Bromodichloromethane	6.56	83	11462	5.009	ug/L 100
39) cis-1,3-Dichloropropene	7.07	75	11024	4.170	ug/L 86
40) 4-Methyl-2-pentanone	7.27	43	16031	7.108	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	32369	4.615	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	10608	4.360	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	7744	4.704	ug/L	94
46) Tetrachloroethene	8.02	164	8366	5.461	ug/L	96
48) 2-Hexanone	8.18	43	12464	6.793	ug/L	97
49) Dibromochloromethane	8.29	129	9959	5.183	ug/L	98
50) 1,2-Dibromoethane	8.40	107	8152	4.581	ug/L	97
51) Chlorobenzene	8.92	112	22801	4.841	ug/L	96
52) Ethylbenzene	9.05	91	37099	4.764	ug/L	97
53) m,p-Xylene	9.18	106	14505	4.848	ug/L	99
54) o-xylene	9.59	106	14101	4.850	ug/L	93
55) Styrene	9.60	104	22509	4.528	ug/L	98
56) Isopropylbenzene	9.97	105	37804	4.904	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	10893	4.090	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	9572	4.554	ug/L	96
61) Bromoform	9.78	173	7623	5.301	ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	18508	4.794	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	19465	4.942	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	18802	4.839	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	2546	4.274	ug/L	83
67) 1,3,5-Trichlorobenzene	12.69	180	13862	4.691	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	8963	3.681	ug/L	96
69) Naphthalene	13.55	128	22280	3.239	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	9338	3.654	ug/L	96

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

