

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020120\
 Data File : VV014452.D
 Acq On : 31 Jan 2020 14:36
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Manual Integrations
 APPROVED

MMDadoda
 2/3/2020 10:34:02 AM

Quant Time: Feb 01 01:47:02 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M

Quant Title : VOC Analysis

QLast Update : Sat Feb 01 01:38:53 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	412340	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	387485	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	188715	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23178	9.75	ug/L	0.00
7) Chloroethane-d5	1.59	69	14618	6.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	30547	6.29	ug/L	0.00
21) 2-Butanone-d5	3.94	46	28963m	17.68	ug/L	0.01
24) Chloroform-d	4.40	84	46023	9.21	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	29042	9.28	ug/L	0.00
32) Benzene-d6	5.10	84	99409	9.85	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	31952	10.42	ug/L	0.00
41) Toluene-d8	7.36	98	91120	9.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	15080	10.05	ug/L	0.00
47) 2-Hexanone-d5	8.15	63	23551	20.43	ug/L	0.02
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41185	9.60	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	34012	9.16	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35975	9.832 ug/L	98
3) Chloromethane	1.26	50	37871	10.977 ug/L	100
5) Vinyl chloride	1.33	62	29551	8.656 ug/L	98
6) Bromomethane	1.54	94	9855	5.175 ug/L	99
8) Chloroethane	1.60	64	13473	6.300 ug/L	100
9) Trichlorofluoromethane	1.78	101	34729	6.849 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	15661	5.543 ug/L	98
12) 1,1-Dichloroethene	2.15	96	16499	6.028 ug/L	94
13) Acetone	2.19	43	32167	14.424 ug/L	95
14) Carbon disulfide	2.32	76	79083	9.918 ug/L	99
15) Methyl Acetate	2.46	43	24905	8.387 ug/L	100
16) Methylene chloride	2.54	84	31702	10.160 ug/L	99
17) trans-1,2-Dichloroethene	2.80	96	28371	9.704 ug/L	96
18) Methyl tert-butyl Ether	2.81	73	84092	9.868 ug/L	100
19) 1,1-Dichloroethane	3.23	63	51022	9.636 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	30657	9.698 ug/L	93
22) 2-Butanone	4.02	43	35622	15.573 ug/L	77
23) Bromochloromethane	4.30	128	14433	8.443 ug/L	95
25) Chloroform	4.43	83	51895	9.283 ug/L	99
27) 1,2-Dichloroethane	5.18	62	36499	9.100 ug/L	# 93
29) Cyclohexane	4.73	56	47107	10.288 ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	42049	9.111 ug/L	99
31) Carbon tetrachloride	4.87	117	35708	8.726 ug/L	99
33) Benzene	5.15	78	118376	10.244 ug/L	100
34) Trichloroethene	5.96	95	29071	9.472 ug/L	99
35) Methylcyclohexane	6.18	83	47611	10.159 ug/L	98
37) 1,2-Dichloropropane	6.22	63	28577	10.147 ug/L	100
38) Bromodichloromethane	6.55	83	38699	9.746 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	45468	10.083 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	70169	19.313 ug/L	# 93

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

42) Toluene	7.43	91	122085	10.210	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	40983	10.130	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	27756	10.001	ug/L	98
46) Tetrachloroethene	8.02	164	21790	8.167	ug/L	95
48) 2-Hexanone	8.20	43	54723	18.663	ug/L	98
49) Dibromochloromethane	8.29	129	29645	8.880	ug/L	98
50) 1,2-Dibromoethane	8.39	107	29391	9.682	ug/L #	97
51) Chlorobenzene	8.92	112	77723	9.512	ug/L	97
52) Ethylbenzene	9.05	91	136732	10.339	ug/L	99
53) m,p-Xylene	9.18	106	50498	9.954	ug/L	98
54) o-xylene	9.58	106	50442	10.271	ug/L	96
55) Styrene	9.60	104	83681	9.954	ug/L	100
56) Isopropylbenzene	9.97	105	128547	9.932	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	45080	10.126	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	35490	9.625	ug/L	100
61) Bromoform	9.77	173	18839	8.278	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	58242	9.410	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	62302	9.745	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	57947	9.368	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	8897	10.074	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	38671	7.893	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	34406	7.711	ug/L	98
69) Naphthalene	13.55	128	109587	9.090	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	33880	7.416	ug/L	99

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

