

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022520\
 Data File : VV014705.D
 Acq On : 25 Feb 2020 11:08
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Feb 26 01:06:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM022120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 25 15:48:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	221859	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	211687	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	111356	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	35839	41.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.72%
7) Chloroethane-d5	1.58	69	27457	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.44%
11) 1,1-Dichloroethene-d2	2.13	63	73765	45.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.34%
21) 2-Butanone-d5	3.95	46	74218	92.15	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.15%
24) Chloroform-d	4.40	84	133787	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
26) 1,2-Dichloroethane-d4	5.08	65	87249	48.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.22%
32) Benzene-d6	5.09	84	252331	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
36) 1,2-Dichloropropane-d6	6.11	67	70776	43.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.64%
41) Toluene-d8	7.35	98	244778	45.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.72%
43) trans-1,3-Dichloropropene-	7.66	79	43263	47.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.54%
47) 2-Hexanone-d5	8.13	63	62118	94.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.87%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	103904	45.90	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	98361	45.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	75503	48.167	ug/L 100
3) Chloromethane	1.25	50	31939	38.527	ug/L 98
5) Vinyl chloride	1.32	62	35036	42.081	ug/L 99
6) Bromomethane	1.54	94	23874	48.276	ug/L 99
8) Chloroethane	1.60	64	18198	40.072	ug/L 95
9) Trichlorofluoromethane	1.77	101	88758	49.140	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	37190	49.492	ug/L 99
12) 1,1-Dichloroethene	2.14	96	31011	45.854	ug/L 96
13) Acetone	2.21	43	71612	100.134	ug/L 99
14) Carbon disulfide	2.32	76	135594	44.289	ug/L 100
15) Methyl Acetate	2.47	43	51043	43.689	ug/L 97
16) Methylene chloride	2.53	84	63569	45.058	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	60911	46.447	ug/L 99
18) Methyl tert-butyl Ether	2.80	73	207523	47.071	ug/L 98
19) 1,1-Dichloroethane	3.23	63	106523	45.066	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	70966	46.589	ug/L 94
22) 2-Butanone	4.03	43	83667	92.384	ug/L # 69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	36470	47.163	ug/L	96
25) Chloroform	4.42	83	127611	46.410	ug/L	97
27) 1,2-Dichloroethane	5.17	62	98746	49.005	ug/L	100
29) Cyclohexane	4.72	56	86080	43.510	ug/L	96
30) 1,1,1-Trichloroethane	4.65	97	117532	47.743	ug/L	100
31) Carbon tetrachloride	4.87	117	107403	49.309	ug/L	99
33) Benzene	5.14	78	245418	44.954	ug/L	100
34) Trichloroethene	5.96	95	70522	44.376	ug/L	98
35) Methylcyclohexane	6.17	83	107979	47.600	ug/L	98
37) 1,2-Dichloropropane	6.22	63	59537	44.587	ug/L #	96
38) Bromodichloromethane	6.55	83	97994	47.615	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	112179	47.042	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	148823	89.971	ug/L	99
42) Toluene	7.42	91	275948	46.752	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	104672	48.381	ug/L	100
45) 1,1,2-Trichloroethane	7.87	97	66574	46.581	ug/L	99
46) Tetrachloroethene	8.01	164	57120	49.683	ug/L	95
48) 2-Hexanone	8.18	43	121013	93.276	ug/L	96
49) Dibromochloromethane	8.28	129	84269	49.614	ug/L	100
50) 1,2-Dibromoethane	8.39	107	72710	46.174	ug/L	98
51) Chlorobenzene	8.92	112	186745	46.431	ug/L	99
52) Ethylbenzene	9.05	91	321313	47.501	ug/L	99
53) m,p-Xylene	9.17	106	125322	47.919	ug/L	100
54) o-xylene	9.58	106	122655	48.188	ug/L	98
55) Styrene	9.60	104	207732	48.949	ug/L	98
56) Isopropylbenzene	9.97	105	329518	48.972	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	103699	47.124	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	84304	46.663	ug/L	98
61) Bromoform	9.77	173	58584	48.465	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	159340	47.729	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	158735	46.461	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	155783	46.864	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	27619	48.866	ug/L	98
67) 1,3,5-Trichlorobenzene	12.68	180	117911	48.053	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	111499	48.442	ug/L	99
69) Naphthalene	13.54	128	359996	46.569	ug/L	99
70) 1,2,3-Trichlorobenzene	13.78	180	112361	47.513	ug/L	99

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

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