

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060920\
 Data File : VV016720.D
 Acq On : 09 Jun 2020 16:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Jun 10 00:39:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 10 00:34:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	356481	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	335544	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	180451	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	90094	35.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.64%
7) Chloroethane-d5	1.57	69	71216	47.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.36%
11) 1,1-Dichloroethene-d2	2.12	63	179495	42.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.98%
21) 2-Butanone-d5	3.89	46	192679	103.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.49%
24) Chloroform-d	4.38	84	236121	46.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.32%
26) 1,2-Dichloroethane-d4	5.05	65	163350	46.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.90%
32) Benzene-d6	5.07	84	443763	45.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.76%
36) 1,2-Dichloropropane-d6	6.09	67	138165	45.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.64%
41) Toluene-d8	7.34	98	408554	46.03	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.06%
43) trans-1,3-Dichloropropene-	7.64	79	70399	44.83	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.66%
47) 2-Hexanone-d5	8.11	63	140733	107.06	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.06%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	198439	49.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	179323	46.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.14%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	136256	48.211	ug/L 99
3) Chloromethane	1.25	50	128489	49.714	ug/L 99
5) Vinyl chloride	1.32	62	114657	45.111	ug/L 98
6) Bromomethane	1.52	94	52332	49.437	ug/L 96
8) Chloroethane	1.59	64	65738	52.361	ug/L 98
9) Trichlorofluoromethane	1.76	101	182923	48.093	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	88878	46.894	ug/L 99
12) 1,1-Dichloroethene	2.13	96	81805	46.236	ug/L 98
13) Acetone	2.17	43	113596	92.606	ug/L 98
14) Carbon disulfide	2.31	76	300666	46.935	ug/L 100
15) Methyl Acetate	2.44	43	140414	51.357	ug/L 98
16) Methylene chloride	2.52	84	125052	48.166	ug/L 97
17) trans-1,2-Dichloroethene	2.78	96	113441	47.025	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	389943	48.783	ug/L 100
19) 1,1-Dichloroethane	3.21	63	220375	48.531	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	126664	48.162	ug/L 98
22) 2-Butanone	3.98	43	189796	100.336	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66770	48.195	ug/L	96
25) Chloroform	4.40	83	228507	48.966	ug/L	97
27) 1,2-Dichloroethane	5.15	62	190790	48.770	ug/L	98
29) Cyclohexane	4.70	56	197629	47.397	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	210320	49.150	ug/L	100
31) Carbon tetrachloride	4.86	117	180449	48.745	ug/L	100
33) Benzene	5.13	78	478983	48.247	ug/L	100
34) Trichloroethene	5.94	95	125568	47.160	ug/L	99
35) Methylcyclohexane	6.15	83	196697	47.090	ug/L	100
37) 1,2-Dichloropropane	6.20	63	126193	48.878	ug/L	100
38) Bromodichloromethane	6.53	83	165920	48.277	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	190518	47.506	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	387145	105.822	ug/L	99
42) Toluene	7.41	91	515341	49.241	ug/L	97
44) trans-1,3-Dichloropropene	7.67	75	190810	48.939	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	120893	48.535	ug/L	98
46) Tetrachloroethene	8.00	164	101626	48.530	ug/L	98
48) 2-Hexanone	8.16	43	297232	104.783	ug/L	98
49) Dibromochloromethane	8.27	129	129941	48.790	ug/L	98
50) 1,2-Dibromoethane	8.37	107	132712	50.878	ug/L	96
51) Chlorobenzene	8.90	112	338498	49.574	ug/L	99
52) Ethylbenzene	9.03	91	579429	49.984	ug/L	99
53) m,p-Xylene	9.16	106	217128	50.306	ug/L	99
54) o-xylene	9.57	106	214709	50.439	ug/L	96
55) Styrene	9.58	104	369633	51.359	ug/L	99
56) Isopropylbenzene	9.95	105	583908	51.050	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	198431	51.958	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	161374	50.377	ug/L	99
61) Bromoform	9.75	173	85567	46.101	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	276496	48.377	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	277629	47.741	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	280140	48.909	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	45008	49.974	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	200653	47.080	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	184560	47.211	ug/L	99
69) Naphthalene	13.52	128	573578	51.008	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	187505	49.021	ug/L	99

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

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