

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031820\
 Data File : VV015021.D
 Acq On : 18 Mar 2020 17:46
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05097

Manual Integrations
 APPROVED

sam
 3/19/2020 11:30:42 AM

Quant Time: Mar 19 03:58:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 19 02:58:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	371753	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	373029	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	206585	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	79292	45.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.30%
7) Chloroethane-d5	1.58	69	63887	46.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.80%
11) 1,1-Dichloroethene-d2	2.12	63	137100	46.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.36%
21) 2-Butanone-d5	3.92	46	114572	97.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.29%
24) Chloroform-d	4.38	84	202527	45.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.08%
26) 1,2-Dichloroethane-d4	5.06	65	126799	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
32) Benzene-d6	5.07	84	405333	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.58%
36) 1,2-Dichloropropane-d6	6.09	67	116482	44.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.94%
41) Toluene-d8	7.33	98	413196	46.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.74%
43) trans-1,3-Dichloropropene-	7.64	79	68157	49.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.46%
47) 2-Hexanone-d5	8.12	63	110122	92.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.27%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	178200	45.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.44%
64) 1,2-Dichlorobenzene-d4	11.65	152	189612	45.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	152818	48.086	ug/L 99
3) Chloromethane	1.25	50	105979	49.055	ug/L 98
5) Vinyl chloride	1.32	62	101442	48.553	ug/L 98
6) Bromomethane	1.53	94	67535	49.815	ug/L 100
8) Chloroethane	1.60	64	56094	49.828	ug/L 97
9) Trichlorofluoromethane	1.76	101	160554	48.301	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	81969	51.272	ug/L 98
12) 1,1-Dichloroethene	2.13	96	75452	49.874	ug/L 99
13) Acetone	2.20	43	97760m	99.819	ug/L
14) Carbon disulfide	2.31	76	270669	50.490	ug/L 100
15) Methyl Acetate	2.45	43	83412	49.783	ug/L 94
16) Methylene chloride	2.52	84	114537	47.776	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	112158	49.392	ug/L 99
18) Methyl tert-butyl Ether	2.79	73	342684	49.021	ug/L 98
19) 1,1-Dichloroethane	3.21	63	187628	48.087	ug/L 96
20) cis-1,2-Dichloroethene	3.94	96	123602	48.705	ug/L 100
22) 2-Butanone	4.00	43	118546	89.396	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	66381	48.095	ug/L	97
25) Chloroform	4.40	83	209686	48.052	ug/L	100
27) 1,2-Dichloroethane	5.15	62	155655	47.767	ug/L	100
29) Cyclohexane	4.70	56	166158	49.612	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	188542	46.852	ug/L	99
31) Carbon tetrachloride	4.85	117	172625	47.734	ug/L	100
33) Benzene	5.13	78	443554	48.574	ug/L	100
34) Trichloroethene	5.94	95	117832	47.633	ug/L	97
35) Methylcyclohexane	6.15	83	198347	50.529	ug/L	100
37) 1,2-Dichloropropane	6.20	63	105266	47.669	ug/L	99
38) Bromodichloromethane	6.53	83	155400	48.253	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	186938	50.556	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	284481	92.999	ug/L	98
42) Toluene	7.41	91	512111	49.609	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	166694	49.769	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	115614	48.026	ug/L	96
46) Tetrachloroethene	7.99	164	117037	49.827	ug/L	99
48) 2-Hexanone	8.17	43	215971	94.518	ug/L	94
49) Dibromochloromethane	8.27	129	135955	48.593	ug/L	99
50) 1,2-Dibromoethane	8.37	107	127068	47.294	ug/L	100
51) Chlorobenzene	8.90	112	350432	48.282	ug/L	100
52) Ethylbenzene	9.03	91	581369	49.579	ug/L	99
53) m,p-Xylene	9.16	106	229545	50.002	ug/L	97
54) o-xylene	9.56	106	228572	50.278	ug/L	100
55) Styrene	9.58	104	392208	51.369	ug/L	99
56) Isopropylbenzene	9.95	105	606042	51.184	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	183713	46.918	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	146347	47.153	ug/L	98
61) Bromoform	9.75	173	101503	49.693	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	311899	50.159	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	315906	48.806	ug/L	96
65) 1,2-Dichlorobenzene	11.66	146	307913	46.620	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	42217	45.737	ug/L	95
67) 1,3,5-Trichlorobenzene	12.67	180	254452	51.719	ug/L	98
68) 1,2,4-trichlorobenzene	13.28	180	230969	50.977	ug/L	100
69) Naphthalene	13.52	128	296241	50.078	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	232139	52.151	ug/L	99

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

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