

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV031220\
 Data File : VV014870.D
 Acq On : 12 Mar 2020 16:05
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05086

Manual Integrations
 APPROVED

MMDadoda
 3/13/2020 10:58:58 AM

Quant Time: Mar 13 04:10:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 13 03:30:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	429178	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	420970	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	226733	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	119189	41.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.08%
7) Chloroethane-d5	1.58	69	90734	39.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	79.04%
11) 1,1-Dichloroethene-d2	2.12	63	199455	41.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.66%
21) 2-Butanone-d5	3.92	46	161902	74.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	74.74%
24) Chloroform-d	4.38	84	262144	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.34%
26) 1,2-Dichloroethane-d4	5.06	65	164204	43.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.92%
32) Benzene-d6	5.08	84	503320	45.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.56%
36) 1,2-Dichloropropane-d6	6.10	67	154944	42.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.12%
41) Toluene-d8	7.34	98	504103	46.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.62%
43) trans-1,3-Dichloropropene-	7.64	79	83420	46.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.76%
47) 2-Hexanone-d5	8.11	63	158631	96.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	225789	44.56	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.12%
64) 1,2-Dichlorobenzene-d4	11.65	152	213247	47.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	185463	43.724	ug/L 99
3) Chloromethane	1.25	50	138298	37.019	ug/L 99
5) Vinyl chloride	1.32	62	132794	38.357	ug/L 97
6) Bromomethane	1.53	94	86056	40.051	ug/L 99
8) Chloroethane	1.60	64	76971	41.361	ug/L 99
9) Trichlorofluoromethane	1.76	101	212505	45.905	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105656	44.335	ug/L 98
12) 1,1-Dichloroethene	2.13	96	99134	42.521	ug/L 97
13) Acetone	2.20	43	131414m	72.662	ug/L
14) Carbon disulfide	2.31	76	306691	39.788	ug/L 99
15) Methyl Acetate	2.45	43	123488	36.344	ug/L 94
16) Methylene chloride	2.52	84	142272	44.932	ug/L 89
17) trans-1,2-Dichloroethene	2.78	96	130803	45.415	ug/L 93
18) Methyl tert-butyl Ether	2.79	73	429242	45.522	ug/L 97
19) 1,1-Dichloroethane	3.21	63	242655	43.134	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	147592	45.818	ug/L 91
22) 2-Butanone	4.01	43	156224	65.481	ug/L 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	77696	47.377	ug/L	86
25) Chloroform	4.41	83	257834	44.241	ug/L	99
27) 1,2-Dichloroethane	5.16	62	198315	43.906	ug/L	96
29) Cyclohexane	4.70	56	212127	41.357	ug/L	91
30) 1,1,1-Trichloroethane	4.63	97	233028	47.745	ug/L	98
31) Carbon tetrachloride	4.85	117	206016	49.702	ug/L	100
33) Benzene	5.13	78	547306	44.877	ug/L	100
34) Trichloroethene	5.94	95	142456	44.697	ug/L	93
35) Methylcyclohexane	6.15	83	235605	44.783	ug/L	94
37) 1,2-Dichloropropane	6.20	63	136789	41.506	ug/L #	97
38) Bromodichloromethane	6.53	83	193464	46.148	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	231271	44.771	ug/L	100
40) 4-Methyl-2-pentanone	7.25	43	384362	80.480	ug/L #	93
42) Toluene	7.41	91	617968	45.930	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	208420	44.259	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	143399	47.245	ug/L	95
46) Tetrachloroethene	8.00	164	129371	49.612	ug/L	95
48) 2-Hexanone	8.16	43	298642	79.507	ug/L #	94
49) Dibromochloromethane	8.27	129	153532	46.410	ug/L	96
50) 1,2-Dibromoethane	8.38	107	154031	46.948	ug/L	94
51) Chlorobenzene	8.90	112	408808	47.223	ug/L	97
52) Ethylbenzene	9.03	91	698735	46.097	ug/L	99
53) m,p-Xylene	9.16	106	270584	47.567	ug/L	97
54) o-xylene	9.57	106	267487	47.870	ug/L	98
55) Styrene	9.58	104	461793	48.330	ug/L	99
56) Isopropylbenzene	9.95	105	706509	47.208	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.26	83	233929	44.746	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	187251	44.490	ug/L	100
61) Bromoform	9.75	173	105001	42.687	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	347296	47.367	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	342477	46.363	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	350549	48.023	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	51440	41.521	ug/L	84
67) 1,3,5-Trichlorobenzene	12.67	180	269753	47.571	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	240938	46.228	ug/L	99
69) Naphthalene	13.52	128	359330	45.796	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	248623	47.858	ug/L	100

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

