

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091319\
 Data File : VV012757.D
 Acq On : 14 Sep 2019 04:51
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05069

Quant Time: Sep 14 05:32:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM091319WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 14 00:58:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	808403	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	764683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	368424	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	189063	41.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.54%
7) Chloroethane-d5	1.58	69	179100	43.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.36%
11) 1,1-Dichloroethene-d2	2.13	63	390098	43.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.54%
21) 2-Butanone-d5	3.92	46	483236	101.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.71%
24) Chloroform-d	4.40	84	526947	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
26) 1,2-Dichloroethane-d4	5.08	65	321560	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
32) Benzene-d6	5.10	84	967999	47.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.88%
36) 1,2-Dichloropropane-d6	6.12	67	342750	47.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.20%
41) Toluene-d8	7.36	98	896428	48.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.04%
43) trans-1,3-Dichloropropene-	7.66	79	137928	45.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.96%
47) 2-Hexanone-d5	8.13	63	294589	106.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.64%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	453720	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
64) 1,2-Dichlorobenzene-d4	11.67	152	402638	47.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.76%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	244633	45.200	ug/L	100
3) Chloromethane	1.25	50	256473	45.414	ug/L	98
5) Vinyl chloride	1.32	62	264789	46.893	ug/L	98
6) Bromomethane	1.52	94	153006	48.176	ug/L	100
8) Chloroethane	1.60	64	169915	48.172	ug/L	100
9) Trichlorofluoromethane	1.77	101	368043	46.450	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	222591	45.507	ug/L	99
12) 1,1-Dichloroethene	2.14	96	200532	47.059	ug/L	99
13) Acetone	2.18	43	267999	68.335	ug/L	98
14) Carbon disulfide	2.32	76	416345	44.772	ug/L	100
15) Methyl Acetate	2.45	43	306203	49.186	ug/L	100
16) Methylene chloride	2.53	84	261431	46.758	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	216169	46.409	ug/L	98
18) Methyl tert-butyl Ether	2.80	73	785110	48.866	ug/L	99
19) 1,1-Dichloroethane	3.23	63	476291	47.306	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	273451	47.448	ug/L	100
22) 2-Butanone	4.01	43	443116	90.938	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	137521	46.968	ug/L	96
25) Chloroform	4.42	83	496339	46.925	ug/L	97
27) 1,2-Dichloroethane	5.18	62	373919	47.232	ug/L	99
29) Cyclohexane	4.73	56	356701	49.137	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	385650	48.231	ug/L	99
31) Carbon tetrachloride	4.87	117	330696	48.033	ug/L	100
33) Benzene	5.14	78	1028317	49.439	ug/L	100
34) Trichloroethene	5.96	95	287377	47.529	ug/L	99
35) Methylcyclohexane	6.18	83	359818	47.175	ug/L	99
37) 1,2-Dichloropropane	6.22	63	288396	48.214	ug/L	99
38) Bromodichloromethane	6.55	83	370769	48.154	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	402867	48.106	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	873205	105.481	ug/L	100
42) Toluene	7.43	91	1087413	50.343	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	349002	47.268	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	286032	49.011	ug/L	99
46) Tetrachloroethene	8.02	164	195245	46.554	ug/L	99
48) 2-Hexanone	8.18	43	704350	104.867	ug/L	99
49) Dibromochloromethane	8.29	129	301120	49.243	ug/L	98
50) 1,2-Dibromoethane	8.39	107	277089	49.284	ug/L	100
51) Chlorobenzene	8.92	112	717737	48.499	ug/L	99
52) Ethylbenzene	9.05	91	1187958	50.027	ug/L	100
53) m,p-Xylene	9.18	106	446328	51.037	ug/L	99
54) o-xylene	9.59	106	449913	50.678	ug/L	97
55) Styrene	9.60	104	786142	52.208	ug/L	99
56) Isopropylbenzene	9.97	105	1195845	51.266	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	397569	49.890	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	375581	49.331	ug/L	100
61) Bromoform	9.77	173	213076	47.895	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	555166	48.786	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	564306	48.343	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	595161	49.741	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	78012	48.839	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	403098	47.948	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	344923	48.558	ug/L	100
69) Naphthalene	13.55	128	1046511	50.963	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	382566	49.614	ug/L	99

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

