

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112919\
 Data File : VV013862.D
 Acq On : 29 Nov 2019 20:27
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Quant Time: Nov 29 22:40:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 29 22:33:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	741430	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	723886	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	402786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	208636	48.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.12%
7) Chloroethane-d5	1.58	69	188166	53.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.48%
11) 1,1-Dichloroethene-d2	2.13	63	401643	52.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	105.80%
21) 2-Butanone-d5	3.92	46	310619	96.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.76%
24) Chloroform-d	4.40	84	432233	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.72%
26) 1,2-Dichloroethane-d4	5.08	65	282298	45.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.80%
32) Benzene-d6	5.10	84	901615	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.11	67	273077	43.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.20%
41) Toluene-d8	7.36	98	885432	49.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.68%
43) trans-1,3-Dichloropropene-	7.66	79	132527	46.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.10%
47) 2-Hexanone-d5	8.13	63	230636	101.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.51%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	376681	47.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.74%
64) 1,2-Dichlorobenzene-d4	11.67	152	383140	47.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	287645	46.615	ug/L	99
3) Chloromethane	1.25	50	275456	46.992	ug/L	100
5) Vinyl chloride	1.32	62	278955	50.929	ug/L	99
6) Bromomethane	1.53	94	143799	54.725	ug/L	96
8) Chloroethane	1.60	64	167077	54.445	ug/L	99
9) Trichlorofluoromethane	1.77	101	388103	53.378	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	212058	51.789	ug/L	98
12) 1,1-Dichloroethene	2.14	96	207116	52.991	ug/L	98
13) Acetone	2.18	43	235115	78.478	ug/L	98
14) Carbon disulfide	2.32	76	618716	45.233	ug/L	99
15) Methyl Acetate	2.45	43	246303	45.062	ug/L	96
16) Methylene chloride	2.53	84	248973	47.065	ug/L	92
17) trans-1,2-Dichloroethene	2.79	96	238050	48.912	ug/L	95
18) Methyl tert-butyl Ether	2.80	73	705800	47.559	ug/L	98
19) 1,1-Dichloroethane	3.23	63	429343	46.263	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	258360	48.619	ug/L	96
22) 2-Butanone	4.00	43	356387	89.804	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	138703	49.383	ug/L	91
25) Chloroform	4.42	83	470580	49.284	ug/L	99
27) 1,2-Dichloroethane	5.17	62	340724	46.566	ug/L	98
29) Cyclohexane	4.72	56	379225	45.600	ug/L	95
30) 1,1,1-Trichloroethane	4.66	97	383094	47.549	ug/L	98
31) Carbon tetrachloride	4.87	117	352439	49.056	ug/L	98
33) Benzene	5.14	78	991909	48.259	ug/L	100
34) Trichloroethene	5.96	95	268589	49.174	ug/L	97
35) Methylcyclohexane	6.17	83	383182	45.510	ug/L	97
37) 1,2-Dichloropropane	6.22	63	251900	46.561	ug/L	100
38) Bromodichloromethane	6.55	83	335723	47.185	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	385716	46.934	ug/L	99
40) 4-Methyl-2-pentanone	7.26	43	669961	96.064	ug/L	97
42) Toluene	7.43	91	1076931	50.279	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	339958	47.534	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	247479	48.851	ug/L	98
46) Tetrachloroethene	8.02	164	244165	52.379	ug/L	96
48) 2-Hexanone	8.18	43	498343	90.483	ug/L	96
49) Dibromochloromethane	8.29	129	290648	49.900	ug/L	97
50) 1,2-Dibromoethane	8.39	107	266551	50.142	ug/L	98
51) Chlorobenzene	8.92	112	707485	49.696	ug/L	97
52) Ethylbenzene	9.05	91	1165461	50.148	ug/L	99
53) m,p-Xylene	9.18	106	453867	51.453	ug/L	96
54) o-xylene	9.58	106	439673	51.970	ug/L	98
55) Styrene	9.60	104	769570	52.619	ug/L	98
56) Isopropylbenzene	9.97	105	1168249	52.588	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	362718	47.418	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	308081	48.367	ug/L	100
61) Bromoform	9.77	173	236661	50.108	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	595807	48.805	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	607230	48.024	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	596008	48.753	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	82294	48.800	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	463051	48.550	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	393238	47.064	ug/L	99
69) Naphthalene	13.55	128	1037267	46.459	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	425058	47.901	ug/L	98

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

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