

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100219\
 Data File : VV013023.D
 Acq On : 02 Oct 2019 09:21
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

Quant Time: Oct 03 03:52:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 02 10:37:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	768708	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	739189	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	404460	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	244962	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.08%
7) Chloroethane-d5	1.58	69	215285	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.40%
11) 1,1-Dichloroethene-d2	2.13	63	452965	23.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.68%
21) 2-Butanone-d5	3.95	46	186283	47.98	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.96%
24) Chloroform-d	4.40	84	477994	23.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.36%
26) 1,2-Dichloroethane-d4	5.08	65	260864	22.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.56%
32) Benzene-d6	5.09	84	957381	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
36) 1,2-Dichloropropane-d6	6.11	67	295138	23.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.36%
41) Toluene-d8	7.36	98	896123	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.28%
43) trans-1,3-Dichloropropene-	7.66	79	123697	23.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.24%
47) 2-Hexanone-d5	8.13	63	126792	47.05	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.10%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	275962	23.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.32%
66) 1,2-Dichlorobenzene-d4	11.67	152	347848	22.30	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	257277	31.239	ug/L 99
3) Chloromethane	1.25	50	297562	28.376	ug/L 99
5) Vinyl chloride	1.32	62	310717	28.760	ug/L 100
6) Bromomethane	1.54	94	186427	26.862	ug/L 99
8) Chloroethane	1.60	64	189156	27.701	ug/L 99
9) Trichlorofluoromethane	1.77	101	410973	28.084	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	250473	26.704	ug/L 99
12) 1,1-Dichloroethene	2.14	96	237179	26.922	ug/L 95
13) Acetone	2.22	43	208655	50.983	ug/L 99
14) Carbon disulfide	2.32	76	745388	27.568	ug/L 99
15) Methyl Acetate	2.47	43	165030	26.131	ug/L 99
16) Methylene chloride	2.53	84	294714	23.409	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	273483	26.334	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	641982	24.575	ug/L 100
19) 1,1-Dichloroethane	3.23	63	500579	26.264	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	292843	25.353	ug/L 99
22) 2-Butanone	4.03	43	241090	53.744	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	140822	24.868	ug/L	100
25) Chloroform	4.42	83	511189	25.725	ug/L	100
27) 1,2-Dichloroethane	5.18	62	345163	25.268	ug/L	99
29) Cyclohexane	4.72	56	459248	28.221	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	417615	27.659	ug/L	100
31) Carbon tetrachloride	4.87	117	375614	27.636	ug/L	99
33) Benzene	5.14	78	1138359	26.936	ug/L	100
34) Trichloroethene	5.96	95	305753	26.706	ug/L	98
35) Methylcyclohexane	6.17	83	497406	27.680	ug/L	99
37) 1,2-Dichloropropane	6.22	63	291539	26.885	ug/L	100
38) Bromodichloromethane	6.55	83	367726	25.978	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	434275	26.597	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	446678	51.540	ug/L	99
42) Toluene	7.43	91	1237211	27.525	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	355943	26.550	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	232397	25.264	ug/L	99
46) Tetrachloroethene	8.02	164	256370	27.064	ug/L	99
48) 2-Hexanone	8.18	43	344750	54.635	ug/L	99
49) Dibromochloromethane	8.29	129	274471	26.166	ug/L	100
50) 1,2-Dibromoethane	8.39	107	231306	25.488	ug/L	96
51) Chlorobenzene	8.92	112	808206	26.509	ug/L	99
52) Ethylbenzene	9.05	91	1369295	27.731	ug/L	100
53) m,p-Xylene	9.18	106	528904	28.022	ug/L	98
54) o-Xylene	9.59	106	496175	27.477	ug/L	98
55) Styrene	9.60	104	888295	28.097	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	293457	26.164	ug/L	99
59) Bromoform	9.77	173	174336	25.166	ug/L	98
60) Isopropylbenzene	9.97	105	1340704	27.505	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	230440	25.030	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	1086844	27.673	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	1092516	27.701	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	665349	26.006	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	680983	25.345	ug/L	100
67) 1,2-Dichlorobenzene	11.69	146	617879	25.294	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	51319	25.700	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	515754	25.038	ug/L	100
70) 1,2,4-trichlorobenzene	13.31	180	434902	24.417	ug/L	99
71) Naphthalene	13.55	128	866388	24.971	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	419458	24.415	ug/L	100

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

