

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101019\
 Data File : VV013104.D
 Acq On : 10 Oct 2019 21:13
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02591

Quant Time: Oct 11 07:36:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 11 07:31:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	611788	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	622251	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	351797	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	205577	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
7) Chloroethane-d5	1.58	69	183966	23.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.88%
10) 1,1-Dichloroethene-d2	2.13	63	390836	24.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	99.04%
20) 2-Butanone-d5	3.95	46	179275	54.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.40%
24) Chloroform-d	4.40	84	463314	27.57	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.28%
26) 1,2-Dichloroethane-d4	5.08	65	259026	26.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.04%
29) Benzene-d6	5.10	84	932942	26.85	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.40%
33) 1,2-Dichloropropane-d6	6.11	67	292332	26.84	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.36%
37) Toluene-d8	7.36	98	876357	27.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	111.16%
38) trans-1,3-Dichloropropene-	7.66	79	118600	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.88%
39) 2-Hexanone-d5	8.13	63	118988	54.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.60%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	275828	26.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	367953	26.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	178743	26.530	ug/L 98
3) Chloromethane	1.25	50	228110	25.925	ug/L 99
5) Vinyl chloride	1.32	62	223960	25.782	ug/L 98
6) Bromomethane	1.54	94	148672	27.416	ug/L 99
8) Chloroethane	1.60	64	148100	27.744	ug/L 99
9) Trichlorofluoromethane	1.77	101	304418	25.910	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	193439	25.760	ug/L 98
12) 1,1-Dichloroethene	2.14	96	178137	25.758	ug/L 96
13) Acetone	2.21	43	141179	40.527	ug/L 99
14) Carbon disulfide	2.32	76	513933	23.264	ug/L 100
15) Methyl Acetate	2.47	43	129932	24.048	ug/L 98
16) Methylene chloride	2.54	84	259354	28.362	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	559626	27.579	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	215719	26.352	ug/L 98
19) 1,1-Dichloroethane	3.23	63	410327	27.468	ug/L 99
21) 2-Butanone	4.03	43	170506	42.057	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	246615	27.527	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	119426	26.987	ug/L	99
25) Chloroform	4.42	83	429908	27.448	ug/L	99
27) 1,2-Dichloroethane	5.18	62	300455	27.140	ug/L	99
30) Cyclohexane	4.73	56	320987	24.044	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	323885	26.299	ug/L	99
32) Carbon tetrachloride	4.87	117	284778	25.502	ug/L	100
34) Benzene	5.14	78	943489	27.239	ug/L	100
35) Trichloroethene	5.96	95	246406	25.537	ug/L	99
36) Methylcyclohexane	6.17	83	359730	24.286	ug/L	99
40) 1,2-Dichloropropane	6.22	63	247346	27.461	ug/L	100
41) Bromodichloromethane	6.55	83	318147	27.576	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	349302	26.392	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	375836	50.786	ug/L	99
44) Toluene	7.43	91	1024357	28.041	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	296395	26.608	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	205867	26.922	ug/L	99
47) Tetrachloroethene	8.02	164	199518	25.442	ug/L	99
49) 2-Hexanone	8.18	43	269822	48.370	ug/L	96
50) Dibromochloromethane	8.29	129	236001	26.852	ug/L	99
51) 1,2-Dibromoethane	8.39	107	198463	26.484	ug/L	99
52) Chlorobenzene	8.92	112	682782	27.084	ug/L	99
53) Ethylbenzene	9.05	91	1117836	27.792	ug/L	100
54) m,p-Xylene	9.18	106	440662	28.818	ug/L	98
55) o-xylene	9.59	106	420907	28.889	ug/L	98
56) Styrene	9.60	104	762298	29.736	ug/L	100
57) Isopropylbenzene	9.97	105	1102786	28.801	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	247076	26.121	ug/L	100
59) 1,2,3-Trichloropropane	10.31	75	201222	25.774	ug/L	100
62) Bromoform	9.77	173	149843	25.100	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	581030	26.832	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	591603	26.031	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	552300	26.739	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	40833	22.298	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	442601	26.129	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	366726	24.758	ug/L	100
69) Naphthalene	13.55	128	703957	23.629	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	357969	25.136	ug/L	99

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

