

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100419\
 Data File : VV013048.D
 Acq On : 04 Oct 2019 15:47
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

Quant Time: Oct 04 18:22:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 04 07:46:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	810738	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	779624	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	419380	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	251043	19.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.84%
7) Chloroethane-d5	1.58	69	214027	21.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.16%
10) 1,1-Dichloroethene-d2	2.13	63	460865	22.03	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.12%
20) 2-Butanone-d5	3.94	46	201521	46.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.80%
24) Chloroform-d	4.40	84	513303	23.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.08	65	284234	21.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.80%
29) Benzene-d6	5.09	84	1011840	23.25	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.00%
33) 1,2-Dichloropropane-d6	6.11	67	320562	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
37) Toluene-d8	7.35	98	939763	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.12%
38) trans-1,3-Dichloropropene-	7.66	79	133371	23.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.32%
39) 2-Hexanone-d5	8.13	63	141133	51.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	299867	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	371870	22.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	244104	27.340	ug/L 98
3) Chloromethane	1.25	50	291935	25.037	ug/L 99
5) Vinyl chloride	1.32	62	297073	25.806	ug/L 100
6) Bromomethane	1.54	94	183283	25.505	ug/L 100
8) Chloroethane	1.60	64	173214	24.486	ug/L 100
9) Trichlorofluoromethane	1.77	101	405888	26.069	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	250320	25.154	ug/L 99
12) 1,1-Dichloroethene	2.14	96	234492	25.586	ug/L 97
13) Acetone	2.20	43	204717	44.345	ug/L 99
14) Carbon disulfide	2.32	76	702890	24.010	ug/L 100
15) Methyl Acetate	2.46	43	154279	21.547	ug/L 99
16) Methylene chloride	2.53	84	296735	24.487	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	663039	24.657	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	269416	24.835	ug/L 99
19) 1,1-Dichloroethane	3.23	63	499761	25.245	ug/L 100
21) 2-Butanone	4.02	43	220127	40.973	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	299175	25.199	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	140504	23.959	ug/L	99
25) Chloroform	4.42	83	504864	24.323	ug/L	99
27) 1,2-Dichloroethane	5.17	62	349554	23.827	ug/L	100
30) Cyclohexane	4.72	56	448919	26.840	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	407471	26.408	ug/L	99
32) Carbon tetrachloride	4.87	117	366173	26.172	ug/L	100
34) Benzene	5.14	78	1135768	26.172	ug/L	100
35) Trichloroethene	5.96	95	306707	25.371	ug/L	99
36) Methylcyclohexane	6.17	83	485401	26.155	ug/L	100
40) 1,2-Dichloropropane	6.22	63	289537	25.656	ug/L	100
41) Bromodichloromethane	6.55	83	366192	25.333	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	438011	26.414	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	440059	47.461	ug/L	100
44) Toluene	7.43	91	1227595	26.821	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	356924	25.574	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	230750	24.084	ug/L	98
47) Tetrachloroethene	8.01	164	250649	25.510	ug/L	99
49) 2-Hexanone	8.18	43	328921	47.062	ug/L	98
50) Dibromochloromethane	8.29	129	271656	24.670	ug/L	100
51) 1,2-Dibromoethane	8.39	107	229787	24.475	ug/L	100
52) Chlorobenzene	8.92	112	793024	25.107	ug/L	99
53) Ethylbenzene	9.05	91	1339918	26.588	ug/L	99
54) m,p-Xylene	9.18	106	517416	27.007	ug/L	100
55) o-xylene	9.58	106	502345	27.519	ug/L	99
56) Styrene	9.60	104	875907	27.271	ug/L	98
57) Isopropylbenzene	9.97	105	1329270	27.708	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	281918	23.788	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	227698	23.278	ug/L	100
62) Bromoform	9.77	173	172096	24.182	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	655008	25.374	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	665606	24.567	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	613872	24.931	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	46546	21.322	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	512128	25.362	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	436796	24.737	ug/L	100
69) Naphthalene	13.55	128	866521	24.398	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	423164	24.925	ug/L	98

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

