

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101019\
 Data File : VV013086.D
 Acq On : 10 Oct 2019 10:59
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

Quant Time: Oct 11 07:11:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 11 01:36:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	658987	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	644976	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	344432	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	204558	20.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.04%
7) Chloroethane-d5	1.58	69	177037	21.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.68%
10) 1,1-Dichloroethene-d2	2.13	63	395591	23.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.08%
20) 2-Butanone-d5	3.95	46	176796	50.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.16%
24) Chloroform-d	4.40	84	437043	24.14	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.56%
26) 1,2-Dichloroethane-d4	5.08	65	244310	23.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.88%
29) Benzene-d6	5.09	84	901567	25.04	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.16%
33) 1,2-Dichloropropane-d6	6.11	67	275100	24.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.48%
37) Toluene-d8	7.36	98	836923	25.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.40%
38) trans-1,3-Dichloropropene-	7.66	79	115517	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.68%
39) 2-Hexanone-d5	8.13	63	121502	53.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.98%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	255125	23.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	324572	24.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	192807	26.567	ug/L	99
3) Chloromethane	1.25	50	231621	24.439	ug/L	100
5) Vinyl chloride	1.32	62	243069	25.977	ug/L	99
6) Bromomethane	1.54	94	154808	26.503	ug/L	99
8) Chloroethane	1.60	64	160246	27.869	ug/L	100
9) Trichlorofluoromethane	1.77	101	332520	26.275	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	211465	26.143	ug/L	99
12) 1,1-Dichloroethene	2.14	96	197495	26.512	ug/L	98
13) Acetone	2.22	43	168443	44.890	ug/L	99
14) Carbon disulfide	2.32	76	567884	23.865	ug/L	100
15) Methyl Acetate	2.47	43	140791	24.191	ug/L	99
16) Methylene chloride	2.53	84	254436	25.831	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	579377	26.507	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	227098	25.755	ug/L	99
19) 1,1-Dichloroethane	3.23	63	434573	27.007	ug/L	100
21) 2-Butanone	4.04	43	195362	44.737	ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	255810	26.508	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	123808	25.974	ug/L	97
25) Chloroform	4.42	83	446674	26.475	ug/L	99
27) 1,2-Dichloroethane	5.18	62	303447	25.447	ug/L	100
30) Cyclohexane	4.72	56	358723	25.924	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	351475	27.534	ug/L	99
32) Carbon tetrachloride	4.87	117	311323	26.897	ug/L	99
34) Benzene	5.14	78	983082	27.382	ug/L	100
35) Trichloroethene	5.95	95	257286	25.726	ug/L	99
36) Methylcyclohexane	6.17	83	396129	25.801	ug/L	99
40) 1,2-Dichloropropane	6.22	63	250175	26.796	ug/L	100
41) Bromodichloromethane	6.55	83	329311	27.538	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	374786	27.320	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	393519	51.302	ug/L	98
44) Toluene	7.43	91	1060235	28.000	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	310864	26.924	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	209297	26.406	ug/L	99
47) Tetrachloroethene	8.02	164	213455	26.260	ug/L	99
49) 2-Hexanone	8.18	43	303915	52.562	ug/L	95
50) Dibromochloromethane	8.29	129	242981	26.672	ug/L	98
51) 1,2-Dibromoethane	8.39	107	202623	26.087	ug/L	100
52) Chlorobenzene	8.92	112	699166	26.757	ug/L	99
53) Ethylbenzene	9.05	91	1155597	27.718	ug/L	100
54) m,p-Xylene	9.18	106	444972	28.075	ug/L	99
55) o-xylene	9.58	106	426296	28.228	ug/L	100
56) Styrene	9.60	104	764701	28.779	ug/L	99
57) Isopropylbenzene	9.97	105	1129721	28.465	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	253416	25.847	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	201539	24.905	ug/L	100
62) Bromoform	9.77	173	152646	26.117	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	570135	26.892	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	583137	26.207	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	537255	26.567	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	44763	24.967	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	451361	27.216	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	392332	27.053	ug/L	99
69) Naphthalene	13.55	128	783826	26.872	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	386971	27.753	ug/L	98

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

