

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100819\
 Data File : VV013055.D
 Acq On : 08 Oct 2019 09:53
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

Quant Time: Oct 09 08:37:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 08 17:11:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	723722	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	705094	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	385262	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	262519	23.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.52%
7) Chloroethane-d5	1.58	69	204554	22.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.12%
10) 1,1-Dichloroethene-d2	2.13	63	483577	25.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.60%
20) 2-Butanone-d5	3.93	46	188911	48.72	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.44%
24) Chloroform-d	4.40	84	515616	25.93	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.72%
26) 1,2-Dichloroethane-d4	5.07	65	284130	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
29) Benzene-d6	5.09	84	1076693	27.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.40%
33) 1,2-Dichloropropane-d6	6.11	67	324701	26.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.24%
37) Toluene-d8	7.35	98	1008661	28.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.88%
38) trans-1,3-Dichloropropene-	7.66	79	142564	27.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	109.12%
39) 2-Hexanone-d5	8.13	63	135064	54.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	300820	25.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	396206	26.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	218538	27.419	ug/L	100
3) Chloromethane	1.25	50	267514	25.701	ug/L	100
5) Vinyl chloride	1.32	62	273612	26.626	ug/L	99
6) Bromomethane	1.53	94	157385	24.534	ug/L	99
8) Chloroethane	1.60	64	168538	26.690	ug/L	100
9) Trichlorofluoromethane	1.77	101	372655	26.812	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	229919	25.882	ug/L	99
12) 1,1-Dichloroethene	2.14	96	215400	26.329	ug/L	95
13) Acetone	2.19	43	185779	45.081	ug/L	100
14) Carbon disulfide	2.32	76	638358	24.427	ug/L	100
15) Methyl Acetate	2.46	43	145663	22.790	ug/L	99
16) Methylene chloride	2.53	84	280010	25.885	ug/L	96
17) Methyl tert-butyl Ether	2.80	73	616387	25.678	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	247354	25.543	ug/L	98
19) 1,1-Dichloroethane	3.23	63	461366	26.108	ug/L	99
21) 2-Butanone	4.02	43	206228	43.001	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	279330	26.356	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	132860	25.380	ug/L	99
25) Chloroform	4.42	83	477782	25.786	ug/L	100
27) 1,2-Dichloroethane	5.17	62	328949	25.119	ug/L	100
30) Cyclohexane	4.72	56	400186	26.455	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	381013	27.303	ug/L	99
32) Carbon tetrachloride	4.87	117	342692	27.083	ug/L	100
34) Benzene	5.14	78	1068321	27.219	ug/L	100
35) Trichloroethene	5.96	95	282270	25.817	ug/L	99
36) Methylcyclohexane	6.17	83	440871	26.267	ug/L	99
40) 1,2-Dichloropropane	6.22	63	268405	26.297	ug/L	100
41) Bromodichloromethane	6.55	83	351358	26.876	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	412577	27.510	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	416755	49.699	ug/L	98
44) Toluene	7.43	91	1161738	28.065	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	342025	27.097	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	220853	25.488	ug/L	99
47) Tetrachloroethene	8.02	164	238159	26.801	ug/L	99
49) 2-Hexanone	8.18	43	308888	48.867	ug/L	98
50) Dibromochloromethane	8.29	129	263182	26.426	ug/L	97
51) 1,2-Dibromoethane	8.39	107	221871	26.129	ug/L	99
52) Chlorobenzene	8.92	112	758774	26.562	ug/L	98
53) Ethylbenzene	9.05	91	1265724	27.771	ug/L	100
54) m,p-Xylene	9.18	106	492295	28.412	ug/L	98
55) o-xylene	9.58	106	470210	28.481	ug/L	99
56) Styrene	9.60	104	834592	28.731	ug/L	98
57) Isopropylbenzene	9.97	105	1252268	28.862	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	275397	25.694	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	219658	24.829	ug/L	99
62) Bromoform	9.77	173	169718	25.960	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	629886	26.561	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	645703	25.943	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	594974	26.303	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	47051	23.462	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	497120	26.798	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	423226	26.091	ug/L	99
69) Naphthalene	13.55	128	832189	25.507	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	404185	25.916	ug/L	98

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

