

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
 Data File : VV011005.D
 Acq On : 21 May 2019 17:11
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02568

Quant Time: May 22 05:29:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 22 05:24:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	136813	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138243	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	69563	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37948	24.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.32%
7) Chloroethane-d5	1.57	69	26600	25.19	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.76%
10) 1,1-Dichloroethene-d2	2.13	63	73176	24.40	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.60%
20) 2-Butanone-d5	3.94	46	23523	43.71	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.42%
24) Chloroform-d	4.40	84	80454	22.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	51469	24.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.60%
29) Benzene-d6	5.10	84	192669	25.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.12%
33) 1,2-Dichloropropane-d6	6.12	67	59813	24.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.76%
37) Toluene-d8	7.36	98	187567	26.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.92%
38) trans-1,3-Dichloropropene-	7.66	79	24594	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.92%
39) 2-Hexanone-d5	8.13	63	21301	47.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.24%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56669	23.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	69994	24.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	49438	24.476	ug/L	99
3) Chloromethane	1.25	50	43854	23.969	ug/L	98
5) Vinyl chloride	1.32	62	45469	24.745	ug/L	100
6) Bromomethane	1.51	94	17924	27.975	ug/L	98
8) Chloroethane	1.59	64	22116	24.053	ug/L	92
9) Trichlorofluoromethane	1.76	101	72697	24.822	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42077	25.195	ug/L	97
12) 1,1-Dichloroethene	2.14	96	34701	24.035	ug/L	96
13) Acetone	2.19	43	21788	41.981	ug/L	96
14) Carbon disulfide	2.31	76	94931	23.480	ug/L	99
15) Methyl Acetate	2.46	43	20271	20.328	ug/L	98
16) Methylene chloride	2.53	84	52851	22.510	ug/L	95
17) Methyl tert-butyl Ether	2.81	73	120732	23.634	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	49166	24.686	ug/L	98
19) 1,1-Dichloroethane	3.23	63	90720	25.016	ug/L	98
21) 2-Butanone	4.02	43	32582	45.875	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	54316	24.493	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	26181	24.912	ug/L	95
25) Chloroform	4.42	83	110489	26.925	ug/L	99
27) 1,2-Dichloroethane	5.18	62	61324	24.310	ug/L	97
30) Cyclohexane	4.72	56	70294	24.471	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	80810	25.986	ug/L	99
32) Carbon tetrachloride	4.87	117	70654	24.914	ug/L	98
34) Benzene	5.14	78	207136	25.992	ug/L	100
35) Trichloroethene	5.96	95	54196	24.614	ug/L	97
36) Methylcyclohexane	6.17	83	81620	25.074	ug/L	98
40) 1,2-Dichloropropane	6.22	63	51863	24.763	ug/L	99
41) Bromodichloromethane	6.55	83	68822	24.585	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	78090	25.050	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	67522	44.975	ug/L	100
44) Toluene	7.43	91	230863	26.105	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	65427	24.915	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	45387	25.432	ug/L	97
47) Tetrachloroethene	8.02	164	42498	24.726	ug/L	98
49) 2-Hexanone	8.18	43	49063	44.759	ug/L	97
50) Dibromochloromethane	8.29	129	50823	24.195	ug/L	98
51) 1,2-Dibromoethane	8.40	107	42387	24.560	ug/L #	95
52) Chlorobenzene	8.92	112	153157	25.266	ug/L	96
53) Ethylbenzene	9.05	91	249805	25.923	ug/L	100
54) m,p-Xylene	9.18	106	98567	26.244	ug/L	98
55) o-xylene	9.59	106	97713	27.270	ug/L	99
56) Styrene	9.60	104	169118	27.385	ug/L	100
57) Isopropylbenzene	9.97	105	253177	26.783	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	57077	24.289	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	39792	23.052	ug/L	99
62) Bromoform	9.77	173	27586	22.339	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	116429	24.539	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	122183	25.005	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	116832	25.396	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	8113	22.199	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	86198	24.766	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	68030	24.730	ug/L	98
69) Naphthalene	13.55	128	132976	24.114	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	66588	24.794	ug/L	100

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

