

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV052919\
 Data File : VV011129.D
 Acq On : 30 May 2019 08:34
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Quant Time: May 30 11:19:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 04:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	401139	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	376061	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	164689	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	126012	22.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.64%
7) Chloroethane-d5	1.56	69	103263	26.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.24%
10) 1,1-Dichloroethene-d2	2.12	63	262093	25.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	102.48%
20) 2-Butanone-d5	3.93	46	96545	50.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.86%
24) Chloroform-d	4.39	84	265791	27.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.28%
26) 1,2-Dichloroethane-d4	5.07	65	170274	27.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.52%
29) Benzene-d6	5.09	84	575236	26.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.48%
33) 1,2-Dichloropropane-d6	6.11	67	184995	26.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.64%
37) Toluene-d8	7.35	98	512933	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.08%
38) trans-1,3-Dichloropropene-	7.66	79	75363	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
39) 2-Hexanone-d5	8.13	63	66450	43.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	143621	23.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	168084	25.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.24%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.13	85	139435	21.317	ug/L	99
3) Chloromethane	1.24	50	167275	25.926	ug/L	100
5) Vinyl chloride	1.32	62	151671	25.471	ug/L	98
6) Bromomethane	1.51	94	80288	31.285	ug/L	99
8) Chloroethane	1.58	64	91241	28.246	ug/L	98
9) Trichlorofluoromethane	1.75	101	203462	25.509	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	100008	23.366	ug/L	98
12) 1,1-Dichloroethene	2.13	96	105450	26.184	ug/L	87
13) Acetone	2.18	43	77694	36.181	ug/L	99
14) Carbon disulfide	2.30	76	355019	26.352	ug/L	99
15) Methyl Acetate	2.45	43	83499	26.940	ug/L #	100
16) Methylene chloride	2.52	84	148424	25.309	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	384775	25.506	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	138177	25.082	ug/L	97
19) 1,1-Dichloroethane	3.22	63	273355	25.523	ug/L	99
21) 2-Butanone	4.01	43	103223	39.033	ug/L	99
22) cis-1,2-Dichloroethene	3.95	96	160632	25.887	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	69404	26.405	ug/L	96
25) Chloroform	4.42	83	298996	26.436	ug/L	100
27) 1,2-Dichloroethane	5.17	62	200592	27.222	ug/L	99
30) Cyclohexane	4.71	56	213454	19.596	ug/L	95
31) 1,1,1-Trichloroethane	4.65	97	213911	24.983	ug/L	99
32) Carbon tetrachloride	4.87	117	175154	23.884	ug/L	99
34) Benzene	5.14	78	596561	26.233	ug/L	100
35) Trichloroethene	5.95	95	154192	25.962	ug/L	98
36) Methylcyclohexane	6.17	83	213359	20.819	ug/L	94
40) 1,2-Dichloropropane	6.21	63	160682	26.514	ug/L	99
41) Bromodichloromethane	6.55	83	210859	27.445	ug/L	99
42) cis-1,3-Dichloropropene	7.06	75	238940	24.677	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	233286	43.893	ug/L	99
44) Toluene	7.43	91	619037	25.037	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	193860	23.463	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	116835	26.012	ug/L	96
47) Tetrachloroethene	8.01	164	101596	23.719	ug/L	98
49) 2-Hexanone	8.18	43	151542	38.662	ug/L	97
50) Dibromochloromethane	8.29	129	136244	26.180	ug/L	100
51) 1,2-Dibromoethane	8.39	107	111166	25.863	ug/L	99
52) Chlorobenzene	8.92	112	391393	25.543	ug/L	98
53) Ethylbenzene	9.05	91	683243	24.240	ug/L	99
54) m,p-Xylene	9.18	106	243302	23.173	ug/L	98
55) o-xylene	9.59	106	250578	24.561	ug/L	97
56) Styrene	9.60	104	429673	24.838	ug/L	99
57) Isopropylbenzene	9.97	105	630488	23.155	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	136806	23.120	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	109610	24.239	ug/L	100
62) Bromoform	9.77	173	72528	26.179	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	277286	25.593	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	275182	25.522	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	261643	25.843	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	22376	21.651	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	189434	23.773	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	148724	23.461	ug/L	100
69) Naphthalene	13.55	128	313487	23.972	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	142065	24.489	ug/L	100

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

