

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV052919\
 Data File : VV011096.D
 Acq On : 29 May 2019 09:39
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Quant Time: May 30 03:51:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 07:13:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	361677	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	336576	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	158779	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112713	22.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.92%
7) Chloroethane-d5	1.56	69	83297	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.16%
10) 1,1-Dichloroethene-d2	2.12	63	226569	24.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.24%
20) 2-Butanone-d5	3.94	46	68480	40.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.14%
24) Chloroform-d	4.40	84	184029	20.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.92%
26) 1,2-Dichloroethane-d4	5.08	65	119756	21.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.44%
29) Benzene-d6	5.09	84	432269	21.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.72%
33) 1,2-Dichloropropane-d6	6.11	67	133809	21.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.36%
37) Toluene-d8	7.36	98	412253	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.76%
38) trans-1,3-Dichloropropene-	7.66	79	59602	20.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.60%
39) 2-Hexanone-d5	8.13	63	51738	37.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	75.76%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	112097	20.79	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	139295	22.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	150825	25.574 ug/L	99
3) Chloromethane	1.25	50	150353	25.845 ug/L	100
5) Vinyl chloride	1.32	62	146228	27.236 ug/L	98
6) Bromomethane	1.51	94	73447	31.742 ug/L	97
8) Chloroethane	1.58	64	80816	27.748 ug/L	99
9) Trichlorofluoromethane	1.76	101	202705	28.187 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	103318	26.773 ug/L	99
12) 1,1-Dichloroethene	2.13	96	93607	25.779 ug/L	93
13) Acetone	2.19	43	96611	49.899 ug/L	100
14) Carbon disulfide	2.31	76	321317	26.452 ug/L	100
15) Methyl Acetate	2.46	43	59684	21.357 ug/L #	100
16) Methylene chloride	2.53	84	119222	22.548 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	299174	21.995 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	119389	24.036 ug/L	99
19) 1,1-Dichloroethane	3.22	63	226297	23.434 ug/L	100
21) 2-Butanone	4.02	43	106777	44.783 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	129688	23.181 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	54906	23.168	ug/L	93
25) Chloroform	4.42	83	249825	24.499	ug/L	99
27) 1,2-Dichloroethane	5.18	62	153754	23.142	ug/L	100
30) Cyclohexane	4.72	56	234403	24.043	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	193329	25.228	ug/L	99
32) Carbon tetrachloride	4.87	117	164549	25.070	ug/L	99
34) Benzene	5.14	78	485489	23.854	ug/L	100
35) Trichloroethene	5.96	95	133068	25.033	ug/L	98
36) Methylcyclohexane	6.17	83	231396	25.228	ug/L	95
40) 1,2-Dichloropropane	6.22	63	124830	23.014	ug/L	100
41) Bromodichloromethane	6.55	83	165224	24.028	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	203150	23.442	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	198907	41.815	ug/L	99
44) Toluene	7.43	91	551252	24.911	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	167928	22.709	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	93780	23.328	ug/L	96
47) Tetrachloroethene	8.02	164	98786	25.768	ug/L	97
49) 2-Hexanone	8.18	43	153860	43.858	ug/L	97
50) Dibromochloromethane	8.29	129	106877	22.946	ug/L	99
51) 1,2-Dibromoethane	8.40	107	86393	22.458	ug/L	100
52) Chlorobenzene	8.92	112	337558	24.614	ug/L	100
53) Ethylbenzene	9.05	91	626153	24.820	ug/L	100
54) m,p-Xylene	9.18	106	233295	24.827	ug/L	99
55) o-xylene	9.59	106	226408	24.795	ug/L	98
56) Styrene	9.60	104	384041	24.805	ug/L	100
57) Isopropylbenzene	9.97	105	616219	25.286	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	117367	22.162	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	89955	22.226	ug/L	97
62) Bromoform	9.77	173	58875	22.042	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	258167	24.715	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	255105	24.541	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	235891	24.166	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	20382	20.456	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	191524	24.930	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	152409	24.937	ug/L	98
69) Naphthalene	13.55	128	293896	23.311	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	136062	24.328	ug/L	98

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

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