

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV052019\
 Data File : VV010953.D
 Acq On : 20 May 2019 10:58
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC

Quant Time: May 20 11:19:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 20 01:26:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159258	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	156270	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	79826	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37538	18.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.00%
7) Chloroethane-d5	1.57	69	25813	19.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.08%
10) 1,1-Dichloroethene-d2	2.13	63	73679	19.19	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.76%
20) 2-Butanone-d5	3.94	46	23794	37.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	74.54%
24) Chloroform-d	4.40	84	85323	18.56	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	74.24%
26) 1,2-Dichloroethane-d4	5.08	65	46054	17.62	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	70.48%
29) Benzene-d6	5.09	84	180157	20.83	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.32%
33) 1,2-Dichloropropane-d6	6.11	67	54338	19.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	78.76%
37) Toluene-d8	7.36	98	174712	21.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.08%
38) trans-1,3-Dichloropropene-	7.66	79	22243	18.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	73.92%
39) 2-Hexanone-d5	8.13	63	18651	35.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	71.34%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50127	19.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	78.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	64783	19.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	77.72%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	50459	28.558	ug/L	98
3) Chloromethane	1.25	50	45749	21.620	ug/L	98
5) Vinyl chloride	1.32	62	46659	20.480	ug/L	97
6) Bromomethane	1.51	94	15598	29.498	ug/L	99
8) Chloroethane	1.58	64	25205	21.391	ug/L	96
9) Trichlorofluoromethane	1.76	101	75580	23.175	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43780	22.256	ug/L	97
12) 1,1-Dichloroethene	2.13	96	37442	20.402	ug/L	94
13) Acetone	2.19	43	23405	35.996	ug/L	94
14) Carbon disulfide	2.31	76	103867	18.789	ug/L	100
15) Methyl Acetate	2.46	43	18525	13.679	ug/L	95
16) Methylene chloride	2.53	84	41491	16.143	ug/L	93
17) Methyl tert-butyl Ether	2.81	73	120550	20.117	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	49825	22.791	ug/L	97
19) 1,1-Dichloroethane	3.22	63	91531	21.626	ug/L	98
21) 2-Butanone	4.02	43	32707	38.970	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	55399	21.654	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	25992	21.810	ug/L	86
25) Chloroform	4.42	83	99514	21.675	ug/L	99
27) 1,2-Dichloroethane	5.18	62	60606	18.919	ug/L	98
30) Cyclohexane	4.72	56	74941	24.944	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	82524	24.314	ug/L	97
32) Carbon tetrachloride	4.87	117	75181	25.957	ug/L	99
34) Benzene	5.14	78	206679	22.692	ug/L	100
35) Trichloroethene	5.96	95	56652	23.999	ug/L	97
36) Methylcyclohexane	6.17	83	87893	26.756	ug/L	97
40) 1,2-Dichloropropane	6.22	63	52248	21.061	ug/L	98
41) Bromodichloromethane	6.55	83	70187	22.064	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	78927	21.808	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	66463	37.936	ug/L	94
44) Toluene	7.43	91	236277	23.337	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	65685	21.474	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	42548	21.296	ug/L	91
47) Tetrachloroethene	8.02	164	44493	25.508	ug/L	98
49) 2-Hexanone	8.18	43	49385	38.167	ug/L	93
50) Dibromochloromethane	8.29	129	50989	22.944	ug/L	97
51) 1,2-Dibromoethane	8.40	107	40822	21.688	ug/L	98
52) Chlorobenzene	8.92	112	155818	22.598	ug/L	99
53) Ethylbenzene	9.05	91	259598	23.405	ug/L	98
54) m,p-Xylene	9.18	106	102464	23.446	ug/L	100
55) o-xylene	9.59	106	98132	22.855	ug/L	100
56) Styrene	9.60	104	170131	23.108	ug/L	100
57) Isopropylbenzene	9.97	105	261490	24.330	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	53640	20.329	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	40279	21.069	ug/L	98
62) Bromoform	9.77	173	28237	22.662	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	119098	21.594	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	123433	21.603	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	117792	21.407	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8310	20.165	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	91449	22.751	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	72332	22.286	ug/L	98
69) Naphthalene	13.55	128	139386	20.501	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	69562	22.519	ug/L	99

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

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