

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
 Data File : VV010960.D
 Acq On : 20 May 2019 15:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

Quant Time: May 21 04:01:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 20 14:36:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	146238	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145142	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74315	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39395	23.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.52%
7) Chloroethane-d5	1.56	69	25644	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
10) 1,1-Dichloroethene-d2	2.12	63	76141	23.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.00%
20) 2-Butanone-d5	3.94	46	29212	50.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.56%
24) Chloroform-d	4.40	84	91741	24.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.88%
26) 1,2-Dichloroethane-d4	5.08	65	49572	22.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.84%
29) Benzene-d6	5.09	84	193165	24.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.52%
33) 1,2-Dichloropropane-d6	6.12	67	58987	23.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.72%
37) Toluene-d8	7.36	98	182403	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.04%
38) trans-1,3-Dichloropropene-	7.66	79	25258	24.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.72%
39) 2-Hexanone-d5	8.13	63	21170	45.08	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.16%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54862	21.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	68928	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	54877	25.418	ug/L	99
3) Chloromethane	1.25	50	47812	24.449	ug/L	98
5) Vinyl chloride	1.32	62	50455	25.688	ug/L	98
6) Bromomethane	1.51	94	18776	27.416	ug/L	98
8) Chloroethane	1.58	64	24274	24.698	ug/L	95
9) Trichlorofluoromethane	1.76	101	80929	25.852	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47099	26.384	ug/L	98
12) 1,1-Dichloroethene	2.13	96	39999	25.919	ug/L	95
13) Acetone	2.19	43	25651	46.238	ug/L	97
14) Carbon disulfide	2.31	76	107367	24.844	ug/L	99
15) Methyl Acetate	2.46	43	26072	24.460	ug/L	96
16) Methylene chloride	2.53	84	61644	24.562	ug/L	95
17) Methyl tert-butyl Ether	2.81	73	140929	25.809	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	54645	25.668	ug/L	96
19) 1,1-Dichloroethane	3.22	63	102172	26.358	ug/L	96
21) 2-Butanone	4.02	43	35604	46.899	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	62256	26.264	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	28811	25.648	ug/L	96
25) Chloroform	4.42	83	112294	25.601	ug/L	100
27) 1,2-Dichloroethane	5.18	62	68810	25.520	ug/L	96
30) Cyclohexane	4.72	56	83589	27.716	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	90887	27.837	ug/L	100
32) Carbon tetrachloride	4.87	117	80943	27.186	ug/L	99
34) Benzene	5.14	78	229621	27.444	ug/L	100
35) Trichloroethene	5.95	95	62517	27.043	ug/L	99
36) Methylcyclohexane	6.17	83	100351	29.363	ug/L	99
40) 1,2-Dichloropropane	6.22	63	60531	27.528	ug/L	100
41) Bromodichloromethane	6.55	83	76848	26.148	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	91718	28.023	ug/L	93
43) 4-Methyl-2-pentanone	7.27	43	75009	47.587	ug/L	99
44) Toluene	7.43	91	260892	28.098	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	74419	26.992	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	49662	26.505	ug/L	97
47) Tetrachloroethene	8.02	164	48700	26.988	ug/L	100
49) 2-Hexanone	8.18	43	56428	49.031	ug/L	98
50) Dibromochloromethane	8.29	129	56649	25.687	ug/L	99
51) 1,2-Dibromoethane	8.40	107	46268	25.535	ug/L	97
52) Chlorobenzene	8.92	112	169135	26.576	ug/L	96
53) Ethylbenzene	9.05	91	286536	28.321	ug/L	100
54) m,p-Xylene	9.18	106	111828	28.360	ug/L	98
55) o-xylene	9.59	106	109732	29.168	ug/L	99
56) Styrene	9.60	104	188676	29.100	ug/L	99
57) Isopropylbenzene	9.97	105	289213	29.141	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	62397	25.291	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	45305	24.998	ug/L	98
62) Bromoform	9.77	173	31917	24.194	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	132131	26.068	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	138192	26.473	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	130266	26.505	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9323	23.879	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	101762	27.368	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	84310	28.689	ug/L	99
69) Naphthalene	13.55	128	165600	28.110	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	80400	28.023	ug/L	99

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

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