

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010630.D
 Acq On : 02 May 2019 15:27
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02580

Quant Time: May 03 02:13:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 14:03:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	161565	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	160683	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	79258	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46140	22.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.24%
7) Chloroethane-d5	1.57	69	33272	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.96%
10) 1,1-Dichloroethene-d2	2.12	63	84204	23.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.88%
20) 2-Butanone-d5	3.93	46	29415	47.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.52%
24) Chloroform-d	4.40	84	100545	24.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.36%
26) 1,2-Dichloroethane-d4	5.08	65	56153	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.92%
29) Benzene-d6	5.09	84	203750	24.47	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.88%
33) 1,2-Dichloropropane-d6	6.12	67	61673	24.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.72%
37) Toluene-d8	7.36	98	196266	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.12%
38) trans-1,3-Dichloropropene-	7.66	79	27491	26.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.28%
39) 2-Hexanone-d5	8.13	63	23643	52.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55791	24.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	76659	25.14	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.56%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	62030	25.969	ug/L 99
3) Chloromethane	1.25	50	51982	23.665	ug/L 100
5) Vinyl chloride	1.32	62	48532	24.502	ug/L 99
6) Bromomethane	1.51	94	25711	25.350	ug/L 100
8) Chloroethane	1.59	64	26758	25.601	ug/L 97
9) Trichlorofluoromethane	1.76	101	88144	25.139	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	43664	24.595	ug/L 99
12) 1,1-Dichloroethene	2.13	96	37714	24.297	ug/L 96
13) Acetone	2.19	43	23481	44.011	ug/L 94
14) Carbon disulfide	2.31	76	126266	24.569	ug/L 100
15) Methyl Acetate	2.46	43	25477	24.428	ug/L 97
16) Methylene chloride	2.53	84	52137	23.137	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	121601	25.434	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	49414	25.068	ug/L 96
19) 1,1-Dichloroethane	3.22	63	89696	24.949	ug/L 97
21) 2-Butanone	4.01	43	35756	51.396	ug/L 91
22) cis-1,2-Dichloroethene	3.96	96	55257	25.680	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25152	24.724	ug/L	98
25) Chloroform	4.42	83	101193	25.395	ug/L	99
27) 1,2-Dichloroethane	5.18	62	64933	25.158	ug/L	98
30) Cyclohexane	4.72	56	74331	26.302	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	84220	26.831	ug/L	98
32) Carbon tetrachloride	4.87	117	75413	26.839	ug/L	100
34) Benzene	5.14	78	198242	25.809	ug/L	100
35) Trichloroethene	5.95	95	55756	25.448	ug/L	99
36) Methylcyclohexane	6.17	83	82614	26.390	ug/L	98
40) 1,2-Dichloropropane	6.22	63	50728	25.391	ug/L	100
41) Bromodichloromethane	6.55	83	69240	26.174	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	80232	27.455	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	72612	51.619	ug/L	97
44) Toluene	7.43	91	224002	26.423	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	66837	27.176	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	42892	25.711	ug/L	96
47) Tetrachloroethene	8.02	164	43051	25.207	ug/L	96
49) 2-Hexanone	8.18	43	53073	50.753	ug/L	98
50) Dibromochloromethane	8.29	129	52123	26.346	ug/L	99
51) 1,2-Dibromoethane	8.40	107	42070	26.145	ug/L	94
52) Chlorobenzene	8.92	112	150658	25.464	ug/L	99
53) Ethylbenzene	9.05	91	253721	26.463	ug/L	100
54) m,p-Xylene	9.18	106	98816	27.199	ug/L	99
55) o-xylene	9.59	106	93510	26.346	ug/L	97
56) Styrene	9.60	104	164665	27.335	ug/L	99
57) Isopropylbenzene	9.97	105	256316	27.519	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	52918	25.428	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	40326	25.757	ug/L	99
62) Bromoform	9.77	173	27507	24.746	ug/L	96
63) 1,3-Dichlorobenzene	11.22	146	119476	26.416	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	122408	25.917	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	116188	26.021	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	8616	26.237	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	92620	26.672	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	74101	27.967	ug/L	99
69) Naphthalene	13.55	128	152698	30.141	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	70932	28.382	ug/L	97

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

