

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031019\
 Data File : VV009562.D
 Acq On : 10 Mar 2019 12:22
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

Quant Time: Mar 11 04:44:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 09 01:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	180994	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166798	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	80363	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46526	21.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.44%
7) Chloroethane-d5	1.57	69	70171	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.08%
10) 1,1-Dichloroethene-d2	2.13	63	129285	22.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.20%
20) 2-Butanone-d5	3.94	46	29824	40.17	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.34%
24) Chloroform-d	4.40	84	104267	24.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	5.08	65	56672	23.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.40%
29) Benzene-d6	5.10	84	198297	24.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.00%
33) 1,2-Dichloropropane-d6	6.12	67	58313	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.68%
37) Toluene-d8	7.36	98	197059	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.88%
38) trans-1,3-Dichloropropene-	7.66	79	26803	22.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.76%
39) 2-Hexanone-d5	8.13	63	22662	39.83	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.66%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	58283	22.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.72%
61) 1,2-Dichlorobenzene-d4	11.67	152	69328	23.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.52%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	53190	25.523	ug/L	98
3) Chloromethane	1.25	50	52366	23.577	ug/L	99
5) Vinyl chloride	1.32	62	58697	23.971	ug/L	99
6) Bromomethane	1.53	94	73067	23.970	ug/L	98
8) Chloroethane	1.59	64	51250	18.835	ug/L	98
9) Trichlorofluoromethane	1.76	101	125771	25.040	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	71966	25.588	ug/L	96
12) 1,1-Dichloroethene	2.14	96	58452	24.291	ug/L	90
13) Acetone	2.20	43	27316	36.187	ug/L	98
14) Carbon disulfide	2.31	76	147315	24.153	ug/L	99
15) Methyl Acetate	2.46	43	22796	18.648	ug/L	97
16) Methylene chloride	2.53	84	51980	21.883	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	121708	22.586	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	53686	24.838	ug/L	98
19) 1,1-Dichloroethane	3.23	63	96841	25.427	ug/L	98
21) 2-Butanone	4.02	43	31700	33.274	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	63464	26.008	ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27624	24.551	ug/L	94
25) Chloroform	4.42	83	106962	25.166	ug/L	99
27) 1,2-Dichloroethane	5.18	62	69759	23.632	ug/L	97
30) Cyclohexane	4.72	56	87679	24.769	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	97380	26.116	ug/L	98
32) Carbon tetrachloride	4.87	117	83065	26.350	ug/L	99
34) Benzene	5.14	78	221653	25.718	ug/L	100
35) Trichloroethene	5.96	95	63149	25.495	ug/L	97
36) Methylcyclohexane	6.17	83	99644	24.695	ug/L	98
40) 1,2-Dichloropropane	6.22	63	53894	24.252	ug/L	99
41) Bromodichloromethane	6.55	83	77373	25.795	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	86239	24.997	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	68107	38.878	ug/L	99
44) Toluene	7.43	91	249996	25.661	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	74020	24.566	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	44772	24.250	ug/L	93
47) Tetrachloroethene	8.02	164	48014	25.557	ug/L	96
49) 2-Hexanone	8.19	43	50476	38.105	ug/L	96
50) Dibromochloromethane	8.29	129	54719	24.480	ug/L	97
51) 1,2-Dibromoethane	8.40	107	44206	23.174	ug/L	98
52) Chlorobenzene	8.93	112	161318	24.982	ug/L	99
53) Ethylbenzene	9.05	91	284744	25.542	ug/L	99
54) m,p-Xylene	9.18	106	107359	25.444	ug/L	93
55) o-xylene	9.59	106	103914	25.540	ug/L	95
56) Styrene	9.60	104	170922	25.535	ug/L	99
57) Isopropylbenzene	9.97	105	285920	25.478	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	59135	22.683	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	40869	21.747	ug/L	100
62) Bromoform	9.78	173	29705	22.778	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	124530	24.808	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	123331	24.043	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	114780	24.519	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9491	20.242	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	89500	24.856	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	68989	23.931	ug/L	98
69) Naphthalene	13.55	128	130232	21.447	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	64666	24.383	ug/L	98

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

