

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV033019\
 Data File : VV010037.D
 Acq On : 30 Mar 2019 23:19
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Quant Time: Mar 31 00:47:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 30 23:31:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	163729	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	168405	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82682	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56802	17.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.40%
7) Chloroethane-d5	1.55	69	77773	21.67	ug/L	-0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.68%
10) 1,1-Dichloroethene-d2	2.12	63	181584	19.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.92%
20) 2-Butanone-d5	3.93	46	39822	64.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.64%
24) Chloroform-d	4.40	84	104101	24.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.84%
26) 1,2-Dichloroethane-d4	5.08	65	67226	26.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.12%
29) Benzene-d6	5.10	84	198480	22.44	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.76%
33) 1,2-Dichloropropane-d6	6.12	67	63468	24.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.12%
37) Toluene-d8	7.36	98	181683	21.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.80%
38) trans-1,3-Dichloropropene-	7.66	79	25240	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.40%
39) 2-Hexanone-d5	8.13	63	30804	63.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71324	27.84	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.36%
61) 1,2-Dichlorobenzene-d4	11.67	152	73626	23.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	44999	17.752	ug/L	100
3) Chloromethane	1.25	50	56662	19.342	ug/L	99
5) Vinyl chloride	1.32	62	78074	20.497	ug/L	98
6) Bromomethane	1.51	94	66893	17.607	ug/L	99
8) Chloroethane	1.57	64	69118	21.064	ug/L	97
9) Trichlorofluoromethane	1.75	101	176598	21.740	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	95324	20.189	ug/L	98
12) 1,1-Dichloroethene	2.13	96	86234	21.530	ug/L	99
13) Acetone	2.19	43	38596	41.174	ug/L	100
14) Carbon disulfide	2.31	76	102125	18.846	ug/L	98
15) Methyl Acetate	2.46	43	31995	29.139	ug/L	97
16) Methylene chloride	2.53	84	58384	21.654	ug/L	100
17) Methyl tert-butyl Ether	2.81	73	148162	28.350	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	48564	22.637	ug/L	92
19) 1,1-Dichloroethane	3.23	63	96220	24.525	ug/L	98
21) 2-Butanone	4.02	43	44459	53.254	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	59931	25.300	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	27717	25.341	ug/L	88
25) Chloroform	4.42	83	111629	25.734	ug/L	100
27) 1,2-Dichloroethane	5.18	62	84046	27.346	ug/L	97
30) Cyclohexane	4.72	56	64206	18.909	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	77379	22.960	ug/L #	75
32) Carbon tetrachloride	4.87	117	62928	21.482	ug/L	100
34) Benzene	5.14	78	216420	23.403	ug/L	100
35) Trichloroethene	5.96	95	52739	21.620	ug/L	97
36) Methylcyclohexane	6.18	83	69627	18.193	ug/L	95
40) 1,2-Dichloropropane	6.22	63	56125	24.288	ug/L #	97
41) Bromodichloromethane	6.56	83	72294	25.156	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	81743	24.263	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	102921	62.413	ug/L	99
44) Toluene	7.43	91	229752	22.536	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	71947	26.087	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	50683	26.519	ug/L	99
47) Tetrachloroethene	8.02	164	39151	20.339	ug/L	94
49) 2-Hexanone	8.18	43	70506	63.262	ug/L	96
50) Dibromochloromethane	8.29	129	52684	26.585	ug/L	98
51) 1,2-Dibromoethane	8.40	107	51211	27.597	ug/L	93
52) Chlorobenzene	8.93	112	157841	23.257	ug/L	98
53) Ethylbenzene	9.05	91	250684	22.291	ug/L	98
54) m,p-Xylene	9.18	106	96644	21.880	ug/L	91
55) o-xylene	9.59	106	96340	22.471	ug/L	88
56) Styrene	9.60	104	173598	23.573	ug/L	95
57) Isopropylbenzene	9.98	105	237744	21.375	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	72903	28.300	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	52815	28.407	ug/L	96
62) Bromoform	9.77	173	28149	26.468	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	117313	22.940	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	125166	22.521	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	120638	23.903	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9231	29.263	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	80679	22.215	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	63576	23.731	ug/L	99
69) Naphthalene	13.55	128	124172	27.883	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65623	25.761	ug/L	97

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

