

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV022719\
 Data File : VV009412.D
 Acq On : 27 Feb 2019 21:22
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02590

Quant Time: Feb 28 04:38:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 28 04:32:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	191089	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	184873	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	90553	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47605	19.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.20%
7) Chloroethane-d5	1.58	69	71869	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.96%
10) 1,1-Dichloroethene-d2	2.13	63	133498	21.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.00%
20) 2-Butanone-d5	3.95	46	36564	50.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.96%
24) Chloroform-d	4.40	84	118375	25.54	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.16%
26) 1,2-Dichloroethane-d4	5.08	65	67896	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.92%
29) Benzene-d6	5.10	84	235531	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
33) 1,2-Dichloropropane-d6	6.12	67	71635	24.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.48%
37) Toluene-d8	7.36	98	228601	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.00%
38) trans-1,3-Dichloropropene-	7.66	79	35226	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.88%
39) 2-Hexanone-d5	8.14	63	29189	47.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	72568	25.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	86291	25.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	56334	23.289	ug/L	98
3) Chloromethane	1.25	50	61672	24.021	ug/L	100
5) Vinyl chloride	1.32	62	65622	23.005	ug/L	100
6) Bromomethane	1.53	94	80596	26.271	ug/L	100
8) Chloroethane	1.59	64	70914	29.155	ug/L	97
9) Trichlorofluoromethane	1.76	101	136081	23.659	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	74333	23.291	ug/L	97
12) 1,1-Dichloroethene	2.14	96	62501	22.776	ug/L	88
13) Acetone	2.21	43	35081	42.365	ug/L	98
14) Carbon disulfide	2.31	76	173313	24.308	ug/L	98
15) Methyl Acetate	2.47	43	30775	28.126	ug/L	97
16) Methylene chloride	2.53	84	74714	28.867	ug/L	99
17) Methyl tert-butyl Ether	2.81	73	168751	28.260	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	62473	26.193	ug/L	98
19) 1,1-Dichloroethane	3.23	63	113959	26.895	ug/L	96
21) 2-Butanone	4.03	43	47646	46.173	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	78952	29.443	ug/L	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	35794	29.744	ug/L	90
25) Chloroform	4.43	83	128227	27.808	ug/L	97
27) 1,2-Dichloroethane	5.18	62	91962	28.831	ug/L	96
30) Cyclohexane	4.72	56	103567	23.649	ug/L	94
31) 1,1,1-Trichloroethane	4.66	97	111059	25.294	ug/L	98
32) Carbon tetrachloride	4.87	117	94470	25.228	ug/L	100
34) Benzene	5.14	78	269183	26.115	ug/L	100
35) Trichloroethene	5.96	95	72661	25.466	ug/L	95
36) Methylcyclohexane	6.18	83	119046	23.896	ug/L	98
40) 1,2-Dichloropropane	6.22	63	72817	28.436	ug/L	99
41) Bromodichloromethane	6.56	83	100727	27.660	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	114426	28.123	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	101083	55.213	ug/L	99
44) Toluene	7.43	91	307746	26.694	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	103522	28.065	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	60904	28.794	ug/L	94
47) Tetrachloroethene	8.02	164	55977	26.487	ug/L	96
49) 2-Hexanone	8.19	43	72923	47.704	ug/L	99
50) Dibromochloromethane	8.29	129	76886	29.060	ug/L	98
51) 1,2-Dibromoethane	8.40	107	60504	28.414	ug/L #	98
52) Chlorobenzene	8.93	112	207810	27.829	ug/L	99
53) Ethylbenzene	9.05	91	345218	26.181	ug/L	100
54) m,p-Xylene	9.18	106	135981	26.474	ug/L	100
55) o-xylene	9.59	106	135008	27.723	ug/L	100
56) Styrene	9.60	104	227319	27.829	ug/L	99
57) Isopropylbenzene	9.97	105	349754	26.288	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	79281	27.564	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	56805	27.729	ug/L	97
62) Bromoform	9.77	173	44997	27.680	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	160638	27.636	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	159666	27.520	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	152933	28.003	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	14735	27.325	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	112531	27.418	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	91927	28.851	ug/L	99
69) Naphthalene	13.55	128	183888	28.503	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	87368	29.581	ug/L	99

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

