

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010819\
 Data File : VV009196.D
 Acq On : 08 Jan 2019 15:51
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Quant Time: Jan 09 00:33:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:23:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	263881	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	242073	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	123400	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	69225	28.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	114.56%
7) Chloroethane-d5	1.58	69	63454	30.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.04%
10) 1,1-Dichloroethene-d2	2.13	63	180735	27.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	109.52%
20) 2-Butanone-d5	3.96	46	52247	49.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.80%
24) Chloroform-d	4.40	84	162453	26.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.84%
26) 1,2-Dichloroethane-d4	5.08	65	88986	26.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.56%
29) Benzene-d6	5.10	84	329956	27.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.72%
33) 1,2-Dichloropropane-d6	6.12	67	94165	27.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.40%
37) Toluene-d8	7.36	98	308682	26.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.52%
38) trans-1,3-Dichloropropene-	7.66	79	45852	26.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.40%
39) 2-Hexanone-d5	8.14	63	34064	53.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.34%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	93551	27.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	118094	25.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.84%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	113602	26.575 ug/L	99
3) Chloromethane	1.25	50	77713	27.640 ug/L	99
5) Vinyl chloride	1.32	62	80110	27.615 ug/L	98
6) Bromomethane	1.53	94	60149	28.319 ug/L	96
8) Chloroethane	1.60	64	53478	28.765 ug/L	98
9) Trichlorofluoromethane	1.77	101	149534	27.520 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	94667	27.220 ug/L	99
12) 1,1-Dichloroethene	2.14	96	83567	27.508 ug/L	93
13) Acetone	2.22	43	72846	46.620 ug/L	91
14) Carbon disulfide	2.32	76	275174	26.876 ug/L	99
15) Methyl Acetate	2.47	43	47186	24.950 ug/L	94
16) Methylene chloride	2.53	84	93402	24.487 ug/L	87
17) Methyl tert-butyl Ether	2.81	73	218818	27.265 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	92943	26.905 ug/L	100
19) 1,1-Dichloroethane	3.23	63	147610	26.548 ug/L	99
21) 2-Butanone	4.04	43	76284	50.111 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	99006	27.183 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	47448	27.373	ug/L	93
25) Chloroform	4.42	83	161094	27.030	ug/L	99
27) 1,2-Dichloroethane	5.18	62	106287	26.257	ug/L	99
30) Cyclohexane	4.72	56	143385	27.414	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	150015	27.104	ug/L	99
32) Carbon tetrachloride	4.87	117	138009	27.223	ug/L	100
34) Benzene	5.15	78	344633	27.040	ug/L	100
35) Trichloroethene	5.96	95	98939	27.197	ug/L	100
36) Methylcyclohexane	6.18	83	168836	27.487	ug/L	99
40) 1,2-Dichloropropane	6.22	63	81569	26.279	ug/L	99
41) Bromodichloromethane	6.56	83	116906	27.387	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	138376	28.375	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	134743	55.223	ug/L	98
44) Toluene	7.43	91	373022	27.254	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	122010	28.416	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	73326	27.098	ug/L	98
47) Tetrachloroethene	8.02	164	84157	26.822	ug/L	98
49) 2-Hexanone	8.19	43	101800	52.687	ug/L	99
50) Dibromochloromethane	8.29	129	91938	27.859	ug/L	98
51) 1,2-Dibromoethane	8.40	107	76184	27.581	ug/L	99
52) Chlorobenzene	8.93	112	249217	26.485	ug/L	99
53) Ethylbenzene	9.05	91	420471	27.191	ug/L	98
54) m,p-Xylene	9.18	106	162535	27.207	ug/L	96
55) o-xylene	9.59	106	155774	27.412	ug/L	98
56) Styrene	9.60	104	265574	28.093	ug/L	99
57) Isopropylbenzene	9.98	105	423808	27.454	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	94574	27.993	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	71477	26.835	ug/L	98
62) Bromoform	9.77	173	56823	27.194	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	206139	26.711	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	205013	26.069	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	195436	26.824	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	17372	26.591	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	162990	26.528	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	135236	27.174	ug/L	99
69) Naphthalene	13.55	128	260827	27.222	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	124368	27.372	ug/L	99

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

