

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092319\
 Data File : VV012933.D
 Acq On : 23 Sep 2019 12:39
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Quant Time: Sep 24 07:37:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 23 13:08:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	776023	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	769525	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	417850	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	276168	22.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.76%
7) Chloroethane-d5	1.58	69	225309	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.56%
10) 1,1-Dichloroethene-d2	2.13	63	458457	22.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.60%
20) 2-Butanone-d5	3.94	46	213549	51.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.74%
24) Chloroform-d	4.40	84	507077	23.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.16%
26) 1,2-Dichloroethane-d4	5.08	65	297942	24.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.16%
29) Benzene-d6	5.09	84	1044222	24.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.20%
33) 1,2-Dichloropropane-d6	6.11	67	326332	24.23	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.92%
37) Toluene-d8	7.36	98	973724	24.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.88%
38) trans-1,3-Dichloropropene-	7.66	79	143191	25.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.44%
39) 2-Hexanone-d5	8.13	63	147337	54.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	318133	24.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	393755	24.25	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	239704	28.048	ug/L 99
3) Chloromethane	1.25	50	292010	26.164	ug/L 98
5) Vinyl chloride	1.32	62	283021	25.685	ug/L 99
6) Bromomethane	1.54	94	184962	26.890	ug/L 100
8) Chloroethane	1.60	64	174409	25.758	ug/L 100
9) Trichlorofluoromethane	1.77	101	375293	25.182	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	233846	24.550	ug/L 99
12) 1,1-Dichloroethene	2.14	96	216121	24.637	ug/L 96
13) Acetone	2.21	43	219212	49.609	ug/L 100
14) Carbon disulfide	2.32	76	709673	25.326	ug/L 100
15) Methyl Acetate	2.46	43	186432	27.202	ug/L 100
16) Methylene chloride	2.53	84	294112	25.356	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	716794	27.848	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	266281	25.645	ug/L 99
19) 1,1-Dichloroethane	3.23	63	491968	25.963	ug/L 99
21) 2-Butanone	4.03	43	273857	53.254	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	302629	26.630	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	149513	26.636	ug/L	97
25) Chloroform	4.42	83	506594	25.499	ug/L	100
27) 1,2-Dichloroethane	5.17	62	375932	26.771	ug/L	99
30) Cyclohexane	4.72	56	435762	26.395	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	386993	25.410	ug/L	99
32) Carbon tetrachloride	4.87	117	349461	25.305	ug/L	100
34) Benzene	5.14	78	1136080	26.522	ug/L	100
35) Trichloroethene	5.96	95	302250	25.330	ug/L	100
36) Methylcyclohexane	6.17	83	479502	26.176	ug/L	99
40) 1,2-Dichloropropane	6.22	63	298323	26.781	ug/L	100
41) Bromodichloromethane	6.55	83	384344	26.938	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	459424	28.069	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	531606	58.087	ug/L	99
44) Toluene	7.43	91	1226621	27.151	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	379398	27.541	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	251690	26.615	ug/L	98
47) Tetrachloroethene	8.02	164	244979	25.260	ug/L	99
49) 2-Hexanone	8.18	43	396656	57.498	ug/L	99
50) Dibromochloromethane	8.29	129	289247	26.612	ug/L	99
51) 1,2-Dibromoethane	8.39	107	254798	27.495	ug/L	98
52) Chlorobenzene	8.92	112	815652	26.163	ug/L	99
53) Ethylbenzene	9.05	91	1347575	27.091	ug/L	99
54) m,p-Xylene	9.18	106	521105	27.557	ug/L	100
55) o-xylene	9.59	106	505696	28.066	ug/L	100
56) Styrene	9.60	104	900940	28.419	ug/L	100
57) Isopropylbenzene	9.97	105	1307067	27.603	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	315841	27.000	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	260295	26.959	ug/L	99
62) Bromoform	9.77	173	190055	26.804	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	682416	26.532	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	710830	26.333	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	650855	26.530	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	57933	26.635	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	530403	26.363	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	483765	27.497	ug/L	99
69) Naphthalene	13.55	128	1092398	30.871	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	479815	28.366	ug/L	99

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

