

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093019\
 Data File : VV013016.D
 Acq On : 30 Sep 2019 13:36
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV61

Quant Time: Oct 01 05:10:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 30 15:00:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	785521	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	780852	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	419194	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236664	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.24%
7) Chloroethane-d5	1.58	69	208177	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
11) 1,1-Dichloroethene-d2	2.13	63	418565	21.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.52%
21) 2-Butanone-d5	3.95	46	205990	51.92	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.84%
24) Chloroform-d	4.40	84	475832	22.49	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.08	65	272962	22.67	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.68%
32) Benzene-d6	5.09	84	967853	22.47	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.88%
36) 1,2-Dichloropropane-d6	6.11	67	304124	22.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.08%
41) Toluene-d8	7.36	98	901941	22.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.72%
43) trans-1,3-Dichloropropene-	7.66	79	130853	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
47) 2-Hexanone-d5	8.13	63	143248	50.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.64%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	297766	23.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.32%
66) 1,2-Dichlorobenzene-d4	11.67	152	365716	22.62	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	233831	27.784	ug/L	99
3) Chloromethane	1.25	50	287511	26.831	ug/L	100
5) Vinyl chloride	1.32	62	281145	25.466	ug/L	98
6) Bromomethane	1.54	94	185598	26.170	ug/L	99
8) Chloroethane	1.60	64	179012	25.654	ug/L	98
9) Trichlorofluoromethane	1.77	101	363690	24.321	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	230136	24.010	ug/L	98
12) 1,1-Dichloroethene	2.14	96	219465	24.378	ug/L	94
13) Acetone	2.21	43	198639	47.497	ug/L	99
14) Carbon disulfide	2.32	76	696424	25.206	ug/L	99
15) Methyl Acetate	2.47	43	178887	27.719	ug/L	99
16) Methylene chloride	2.53	84	301267	23.417	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	264020	24.879	ug/L	99
18) Methyl tert-butyl Ether	2.80	73	705200	26.417	ug/L	100
19) 1,1-Dichloroethane	3.23	63	488644	25.089	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	298854	25.320	ug/L	100
22) 2-Butanone	4.03	43	260484	56.824	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	147297	25.455	ug/L	96
25) Chloroform	4.42	83	504456	24.843	ug/L	98
27) 1,2-Dichloroethane	5.18	62	364277	26.097	ug/L	98
29) Cyclohexane	4.72	56	432225	25.144	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	388482	24.357	ug/L	99
31) Carbon tetrachloride	4.87	117	347457	24.200	ug/L	98
33) Benzene	5.14	78	1123981	25.176	ug/L	100
34) Trichloroethene	5.96	95	297136	24.569	ug/L	100
35) Methylcyclohexane	6.17	83	473100	24.923	ug/L	98
37) 1,2-Dichloropropane	6.22	63	292600	25.544	ug/L	100
38) Bromodichloromethane	6.55	83	376851	25.202	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	451285	26.164	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	494318	53.994	ug/L	99
42) Toluene	7.43	91	1218719	25.667	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	371961	26.264	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	248240	25.546	ug/L	99
46) Tetrachloroethene	8.02	164	241675	24.152	ug/L	99
48) 2-Hexanone	8.18	43	369135	55.378	ug/L	99
49) Dibromochloromethane	8.29	129	288923	26.075	ug/L	98
50) 1,2-Dibromoethane	8.39	107	248690	25.942	ug/L	97
51) Chlorobenzene	8.92	112	810252	25.158	ug/L	100
52) Ethylbenzene	9.05	91	1343754	25.762	ug/L	99
53) m,p-Xylene	9.18	106	526154	26.389	ug/L	98
54) o-Xylene	9.59	106	509451	26.707	ug/L	94
55) Styrene	9.60	104	898381	26.900	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	308636	26.049	ug/L	100
59) Bromoform	9.77	173	187262	26.081	ug/L	99
60) Isopropylbenzene	9.97	105	1326469	26.256	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	246570	25.841	ug/L	98
62) 1,3,5-Trimethylbenzene	10.58	105	1100428	27.035	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	1119884	27.397	ug/L	99
64) 1,3-Dichlorobenzene	11.22	146	684434	25.811	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	696650	25.017	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	645468	25.494	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	55921	27.020	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	542991	25.434	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	480966	26.054	ug/L	99
71) Naphthalene	13.55	128	1062756	29.554	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	472078	26.512	ug/L	100

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

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