

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092319\
 Data File : VV012934.D
 Acq On : 23 Sep 2019 13:07
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02567

Quant Time: Sep 24 07:37:45 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	776638	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	777794	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	423075	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	287650	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.48%
7) Chloroethane-d5	1.58	69	213920	21.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.84%
10) 1,1-Dichloroethene-d2	2.13	63	476486	23.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.12%
20) 2-Butanone-d5	3.94	46	243406	58.50	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	117.00%
24) Chloroform-d	4.40	84	529269	24.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	5.08	65	312494	25.20	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.80%
29) Benzene-d6	5.10	84	1090107	25.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.40%
33) 1,2-Dichloropropane-d6	6.12	67	339922	24.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.88%
37) Toluene-d8	7.36	98	1021876	25.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.68%
38) trans-1,3-Dichloropropene-	7.66	79	151487	26.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.12%
39) 2-Hexanone-d5	8.13	63	168010	61.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	335585	25.96	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	407245	24.78	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	234950	27.470	ug/L 98
3) Chloromethane	1.25	50	285560	25.566	ug/L 98
5) Vinyl chloride	1.32	62	281497	25.527	ug/L 99
6) Bromomethane	1.54	94	173904	25.262	ug/L 100
8) Chloroethane	1.60	64	153474	22.648	ug/L 98
9) Trichlorofluoromethane	1.77	101	364243	24.421	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	224388	23.539	ug/L 99
12) 1,1-Dichloroethene	2.14	96	215007	24.490	ug/L 94
13) Acetone	2.20	43	218010	49.298	ug/L 99
14) Carbon disulfide	2.32	76	700009	24.961	ug/L 100
15) Methyl Acetate	2.46	43	191165	27.871	ug/L 98
16) Methylene chloride	2.53	84	285264	24.574	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	685272	26.602	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	259761	24.997	ug/L 99
19) 1,1-Dichloroethane	3.23	63	475346	25.066	ug/L 99
21) 2-Butanone	4.02	43	273161	53.077	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	292241	25.696	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	141932	25.265	ug/L	99
25) Chloroform	4.42	83	491080	24.698	ug/L	100
27) 1,2-Dichloroethane	5.18	62	356482	25.366	ug/L	100
30) Cyclohexane	4.72	56	418652	25.089	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	376058	24.429	ug/L	99
32) Carbon tetrachloride	4.87	117	331624	23.759	ug/L	98
34) Benzene	5.14	78	1112590	25.698	ug/L	100
35) Trichloroethene	5.96	95	290292	24.069	ug/L	99
36) Methylcyclohexane	6.17	83	456530	24.657	ug/L	100
40) 1,2-Dichloropropane	6.22	63	288445	25.619	ug/L	100
41) Bromodichloromethane	6.55	83	366157	25.390	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	437284	26.432	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	532554	57.572	ug/L	100
44) Toluene	7.43	91	1186117	25.976	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	363326	26.094	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	245719	25.707	ug/L	99
47) Tetrachloroethene	8.02	164	235384	24.013	ug/L	99
49) 2-Hexanone	8.18	43	415935	59.652	ug/L	97
50) Dibromochloromethane	8.29	129	277113	25.224	ug/L	97
51) 1,2-Dibromoethane	8.39	107	247073	26.378	ug/L	100
52) Chlorobenzene	8.92	112	785853	24.939	ug/L	100
53) Ethylbenzene	9.05	91	1303475	25.926	ug/L	100
54) m,p-Xylene	9.18	106	504687	26.405	ug/L	100
55) o-xylene	9.59	106	482728	26.507	ug/L	100
56) Styrene	9.60	104	878927	27.429	ug/L	100
57) Isopropylbenzene	9.97	105	1259592	26.318	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	310170	26.233	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	256940	26.329	ug/L	99
62) Bromoform	9.77	173	182938	25.481	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	669270	25.700	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	681596	24.938	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	633240	25.493	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	59515	27.024	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	521028	25.577	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	476478	26.748	ug/L	99
69) Naphthalene	13.55	128	1061397	29.624	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	465695	27.191	ug/L	99

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

