

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100819\
 Data File : VV013063.D
 Acq On : 08 Oct 2019 16:35
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02587

Quant Time: Oct 09 08:40:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 09 08:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	706878	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	701204	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	390242	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	240317	21.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.64%
7) Chloroethane-d5	1.58	69	197468	22.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.08%
10) 1,1-Dichloroethene-d2	2.13	63	457210	25.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.28%
20) 2-Butanone-d5	3.93	46	176817	46.69	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.38%
24) Chloroform-d	4.40	84	487504	25.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	272354	24.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.52%
29) Benzene-d6	5.10	84	1006280	25.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.80%
33) 1,2-Dichloropropane-d6	6.11	67	303169	24.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.84%
37) Toluene-d8	7.36	98	947465	26.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.64%
38) trans-1,3-Dichloropropene-	7.66	79	129941	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.04%
39) 2-Hexanone-d5	8.13	63	129803	52.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	285285	24.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	379046	25.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	222321	28.559	ug/L 100
3) Chloromethane	1.25	50	256054	25.187	ug/L 98
5) Vinyl chloride	1.32	62	273036	27.203	ug/L 99
6) Bromomethane	1.53	94	158873	25.356	ug/L 100
8) Chloroethane	1.60	64	173879	28.192	ug/L 98
9) Trichlorofluoromethane	1.77	101	372500	27.440	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	235652	27.160	ug/L 98
12) 1,1-Dichloroethene	2.14	96	219587	27.480	ug/L 94
13) Acetone	2.19	43	172313	42.810	ug/L 100
14) Carbon disulfide	2.32	76	638774	25.026	ug/L 99
15) Methyl Acetate	2.46	43	146205	23.420	ug/L 98
16) Methylene chloride	2.53	84	284415	26.919	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	635879	27.121	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	252287	26.674	ug/L 99
19) 1,1-Dichloroethane	3.23	63	469909	27.225	ug/L 99
21) 2-Butanone	4.01	43	198190	42.310	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	280630	27.110	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	137761	26.943	ug/L	96
25) Chloroform	4.42	83	486699	26.893	ug/L	100
27) 1,2-Dichloroethane	5.18	62	333747	26.092	ug/L	99
30) Cyclohexane	4.72	56	402531	26.758	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	386214	27.829	ug/L	99
32) Carbon tetrachloride	4.87	117	341665	27.152	ug/L	98
34) Benzene	5.14	78	1081892	27.718	ug/L	100
35) Trichloroethene	5.96	95	287599	26.451	ug/L	99
36) Methylcyclohexane	6.18	83	453280	27.156	ug/L	99
40) 1,2-Dichloropropane	6.22	63	273327	26.928	ug/L	99
41) Bromodichloromethane	6.55	83	358571	27.580	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	419526	28.129	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	422189	50.626	ug/L	98
44) Toluene	7.43	91	1173673	28.511	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	348247	27.743	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	229484	26.631	ug/L	99
47) Tetrachloroethene	8.02	164	239569	27.109	ug/L	99
49) 2-Hexanone	8.18	43	314576	50.043	ug/L	96
50) Dibromochloromethane	8.29	129	269586	27.220	ug/L	98
51) 1,2-Dibromoethane	8.39	107	224089	26.537	ug/L	98
52) Chlorobenzene	8.92	112	775680	27.305	ug/L	99
53) Ethylbenzene	9.05	91	1298156	28.641	ug/L	100
54) m,p-Xylene	9.18	106	499548	28.991	ug/L	100
55) o-xylene	9.59	106	482519	29.389	ug/L	99
56) Styrene	9.60	104	859436	29.751	ug/L	100
57) Isopropylbenzene	9.97	105	1274966	29.548	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	284247	26.667	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	225240	25.602	ug/L	99
62) Bromoform	9.77	173	172308	26.020	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	650659	27.087	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	663708	26.326	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	613101	26.759	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	46544	22.913	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	510949	27.192	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	452923	27.565	ug/L	99
69) Naphthalene	13.55	128	908043	27.476	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	449096	28.428	ug/L	99

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

