

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051319\
 Data File : VV010850.D
 Acq On : 13 May 2019 21:15
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV67

Quant Time: May 14 02:02:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 14 01:59:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	136303	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	142386	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	69608	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44657	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.88%
7) Chloroethane-d5	1.56	69	26776	23.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.64%
10) 1,1-Dichloroethene-d2	2.12	63	83104	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	101.16%
20) 2-Butanone-d5	3.93	46	28973	53.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.06%
24) Chloroform-d	4.39	84	95150	24.18	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.72%
26) 1,2-Dichloroethane-d4	5.08	65	56271	25.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.60%
29) Benzene-d6	5.09	84	198391	25.17	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.68%
33) 1,2-Dichloropropane-d6	6.11	67	60349	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.00%
37) Toluene-d8	7.36	98	189049	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.84%
38) trans-1,3-Dichloropropene-	7.66	79	25907	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.48%
39) 2-Hexanone-d5	8.13	63	22434	47.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.18%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	54576	23.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	69370	23.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.44%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	35730	23.628	ug/L	97
3) Chloromethane	1.25	50	44332	24.478	ug/L	100
5) Vinyl chloride	1.32	62	46295	23.743	ug/L	95
6) Bromomethane	1.51	94	12336	27.258	ug/L	99
8) Chloroethane	1.58	64	22426	22.238	ug/L	100
9) Trichlorofluoromethane	1.75	101	64737	23.194	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	38767	23.027	ug/L	98
12) 1,1-Dichloroethene	2.13	96	37392	23.806	ug/L	94
13) Acetone	2.19	43	24075	43.262	ug/L	94
14) Carbon disulfide	2.31	76	112819	23.846	ug/L	99
15) Methyl Acetate	2.45	43	26066	22.489	ug/L	100
16) Methylene chloride	2.53	84	51145	23.251	ug/L	96
17) Methyl tert-butyl Ether	2.80	73	125454	24.461	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	45427	24.279	ug/L	94
19) 1,1-Dichloroethane	3.22	63	89390	24.677	ug/L	98
21) 2-Butanone	4.02	43	34562	48.115	ug/L	98
22) cis-1,2-Dichloroethene	3.95	96	54866	25.058	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	25208	24.715	ug/L	97
25) Chloroform	4.42	83	98356	25.030	ug/L	99
27) 1,2-Dichloroethane	5.17	62	65297	23.816	ug/L	99
30) Cyclohexane	4.72	56	63613	23.238	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	73152	23.655	ug/L	98
32) Carbon tetrachloride	4.87	117	62573	23.711	ug/L	100
34) Benzene	5.14	78	199515	24.041	ug/L	100
35) Trichloroethene	5.96	95	50917	23.672	ug/L	97
36) Methylcyclohexane	6.17	83	71383	23.849	ug/L	98
40) 1,2-Dichloropropane	6.22	63	54310	24.027	ug/L	100
41) Bromodichloromethane	6.55	83	69872	24.107	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	83649	25.366	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	74427	46.625	ug/L	98
44) Toluene	7.43	91	225369	24.430	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	69235	24.842	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	43473	23.881	ug/L	97
47) Tetrachloroethene	8.02	164	37100	23.343	ug/L	91
49) 2-Hexanone	8.18	43	55226	46.843	ug/L	99
50) Dibromochloromethane	8.29	129	49071	24.234	ug/L	99
51) 1,2-Dibromoethane	8.40	107	41348	24.110	ug/L	97
52) Chlorobenzene	8.92	112	150970	24.029	ug/L	96
53) Ethylbenzene	9.05	91	250367	24.773	ug/L	100
54) m,p-Xylene	9.18	106	97467	24.477	ug/L	97
55) o-xylene	9.59	106	98453	25.166	ug/L	99
56) Styrene	9.60	104	173105	25.805	ug/L	99
57) Isopropylbenzene	9.97	105	246684	25.190	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	54944	22.854	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	42010	24.117	ug/L	98
62) Bromoform	9.77	173	26467	24.359	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	115593	24.035	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	120619	24.210	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	115237	24.017	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8357	23.256	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	85411	24.368	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	69461	24.543	ug/L	97
69) Naphthalene	13.55	128	149975	25.297	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	68688	25.500	ug/L	99

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

