

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040119\
 Data File : VV010046.D
 Acq On : 01 Apr 2019 13:17
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC025

Quant Time: Apr 05 16:02:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 01 21:03:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	234502	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	225852	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	118560	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67955	21.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.40%
7) Chloroethane-d5	1.57	69	64762	22.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.36%
10) 1,1-Dichloroethene-d2	2.13	63	186808	23.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.48%
20) 2-Butanone-d5	3.94	46	43961	50.31	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.62%
24) Chloroform-d	4.40	84	144620	25.63	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.52%
26) 1,2-Dichloroethane-d4	5.08	65	78002	22.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.32%
29) Benzene-d6	5.10	84	283146	24.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.28%
33) 1,2-Dichloropropane-d6	6.12	67	81543	24.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.24%
37) Toluene-d8	7.36	98	274780	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.52%
38) trans-1,3-Dichloropropene-	7.66	79	34624	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
39) 2-Hexanone-d5	8.13	63	34197	52.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.00%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	85936	25.08	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	107350	22.72	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	80697	22.343	ug/L 98
3) Chloromethane	1.25	50	78427	24.853	ug/L 99
5) Vinyl chloride	1.32	62	85616	24.803	ug/L 97
6) Bromomethane	1.53	94	80309	26.108	ug/L 98
8) Chloroethane	1.59	64	56864	24.889	ug/L 96
9) Trichlorofluoromethane	1.77	101	178791	25.165	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	99743	24.805	ug/L 99
12) 1,1-Dichloroethene	2.14	96	83824	24.184	ug/L 95
13) Acetone	2.20	43	46632	45.094	ug/L 95
14) Carbon disulfide	2.32	76	172233	24.739	ug/L 98
15) Methyl Acetate	2.46	43	35010	23.330	ug/L 98
16) Methylene chloride	2.53	84	77206	18.843	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	168455	23.564	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	70751	24.529	ug/L 97
19) 1,1-Dichloroethane	3.23	63	122155	24.076	ug/L 98
21) 2-Butanone	4.02	43	49641	50.493	ug/L 93
22) cis-1,2-Dichloroethene	3.96	96	78295	24.222	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	37926	23.741	ug/L	97
25) Chloroform	4.42	83	138538	23.310	ug/L	98
27) 1,2-Dichloroethane	5.18	62	91780	24.312	ug/L	98
30) Cyclohexane	4.72	56	102665	24.883	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	121506	26.333	ug/L	99
32) Carbon tetrachloride	4.87	117	112145	26.686	ug/L	98
34) Benzene	5.15	78	288910	25.543	ug/L	100
35) Trichloroethene	5.95	95	82133	25.389	ug/L	97
36) Methylcyclohexane	6.17	83	128276	25.777	ug/L	98
40) 1,2-Dichloropropane	6.22	63	69906	25.259	ug/L	99
41) Bromodichloromethane	6.55	83	92765	25.151	ug/L	92
42) cis-1,3-Dichloropropene	7.07	75	103589	24.467	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	100387	47.462	ug/L	100
44) Toluene	7.43	91	325122	25.362	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	87911	24.971	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	61775	24.642	ug/L	97
47) Tetrachloroethene	8.02	164	68444	24.924	ug/L	96
49) 2-Hexanone	8.18	43	75387	53.744	ug/L	98
50) Dibromochloromethane	8.29	129	71254	24.577	ug/L	98
51) 1,2-Dibromoethane	8.40	107	61960	24.654	ug/L	97
52) Chlorobenzene	8.92	112	215724	24.441	ug/L	98
53) Ethylbenzene	9.05	91	359435	25.376	ug/L	98
54) m,p-Xylene	9.18	106	145440	25.609	ug/L	99
55) o-xylene	9.59	106	135662	25.253	ug/L	97
56) Styrene	9.60	104	231721	25.778	ug/L	98
57) Isopropylbenzene	9.97	105	370733	25.903	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	80380	24.785	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	56577	23.775	ug/L	99
62) Bromoform	9.77	173	40950	24.725	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	172482	24.121	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	178379	23.723	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	168009	23.805	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11383	25.018	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	135297	25.656	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	102400	26.623	ug/L	100
69) Naphthalene	13.55	128	166287	27.500	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	95314	26.447	ug/L	97

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

