

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008891.D
 Acq On : 11 Dec 2018 10:13
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02575

Quant Time: Dec 12 04:30:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 01:37:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	192406	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	166194	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74947	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55336	27.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.16%
7) Chloroethane-d5	1.58	69	41393	28.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	112.56%
10) 1,1-Dichloroethene-d2	2.13	63	131222	26.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.44%
20) 2-Butanone-d5	3.93	46	37358	51.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.06%
24) Chloroform-d	4.40	84	121432	26.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.08	65	65522	25.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.84%
29) Benzene-d6	5.10	84	242222	26.10	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.40%
33) 1,2-Dichloropropane-d6	6.12	67	66762	25.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.76%
37) Toluene-d8	7.36	98	224789	26.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.68%
38) trans-1,3-Dichloropropene-	7.66	79	30359	26.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.36%
39) 2-Hexanone-d5	8.13	63	24076	50.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.14%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56032	25.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	72041	25.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	72098	22.859	ug/L 99
3) Chloromethane	1.25	50	50887	23.479	ug/L 98
5) Vinyl chloride	1.32	62	57761	23.873	ug/L 98
6) Bromomethane	1.53	94	32196	27.677	ug/L 97
8) Chloroethane	1.60	64	36197	26.712	ug/L 98
9) Trichlorofluoromethane	1.77	101	119583	28.856	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	71310	25.089	ug/L 100
12) 1,1-Dichloroethene	2.14	96	61642	24.853	ug/L 96
13) Acetone	2.19	43	57543	53.878	ug/L 99
14) Carbon disulfide	2.32	76	198460	24.919	ug/L 100
15) Methyl Acetate	2.46	43	30628	22.615	ug/L 96
16) Methylene chloride	2.53	84	65603	20.248	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	136697	24.260	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	67239	25.088	ug/L 96
19) 1,1-Dichloroethane	3.23	63	107317	24.701	ug/L 99
21) 2-Butanone	4.01	43	52808	52.754	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	67483	24.149	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31094	23.608	ug/L	93
25) Chloroform	4.42	83	114819	24.625	ug/L	99
27) 1,2-Dichloroethane	5.18	62	75112	23.648	ug/L	98
30) Cyclohexane	4.72	56	102492	24.491	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	109976	25.666	ug/L	99
32) Carbon tetrachloride	4.87	117	103380	26.427	ug/L	98
34) Benzene	5.14	78	244493	24.555	ug/L	100
35) Trichloroethene	5.96	95	74837	24.930	ug/L	99
36) Methylcyclohexane	6.17	83	118613	24.775	ug/L	99
40) 1,2-Dichloropropane	6.22	63	56657	23.709	ug/L	100
41) Bromodichloromethane	6.55	83	78786	25.014	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	89294	25.522	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	76349	47.269	ug/L	100
44) Toluene	7.43	91	257905	24.698	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	76859	25.200	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	47517	23.864	ug/L	97
47) Tetrachloroethene	8.02	164	59698	24.454	ug/L	97
49) 2-Hexanone	8.18	43	67634	50.614	ug/L	99
50) Dibromochloromethane	8.29	129	59785	26.194	ug/L	95
51) 1,2-Dibromoethane	8.40	107	49106	24.558	ug/L	97
52) Chlorobenzene	8.93	112	166554	24.495	ug/L	99
53) Ethylbenzene	9.05	91	276215	24.383	ug/L	98
54) m,p-Xylene	9.18	106	106425	24.811	ug/L	99
55) o-xylene	9.59	106	97550	24.477	ug/L	97
56) Styrene	9.60	104	160518	24.968	ug/L	96
57) Isopropylbenzene	9.97	105	268538	24.792	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	52779	24.519	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	45092	24.210	ug/L	99
62) Bromoform	9.78	173	35983	26.591	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	116868	24.199	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	119766	24.099	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	108282	24.321	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9264	25.398	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	82623	23.686	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	57359	23.468	ug/L	97
69) Naphthalene	13.55	128	88140	20.937	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	53179	23.553	ug/L	99

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

