

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041119\
 Data File : VV010255.D
 Acq On : 11 Apr 2019 20:44
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02565

Quant Time: Apr 12 01:16:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 11 07:05:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	303415	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	294310	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	155347	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76429	21.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.52%
7) Chloroethane-d5	1.57	69	69971	23.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.24%
10) 1,1-Dichloroethene-d2	2.13	63	204580	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.04%
20) 2-Butanone-d5	3.93	46	43234	48.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.82%
24) Chloroform-d	4.40	84	166488	24.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.12%
26) 1,2-Dichloroethane-d4	5.08	65	89063	22.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.28%
29) Benzene-d6	5.10	84	325347	22.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.72%
33) 1,2-Dichloropropane-d6	6.12	67	96580	22.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.52%
37) Toluene-d8	7.36	98	332996	24.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.24%
38) trans-1,3-Dichloropropene-	7.66	79	42954	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.64%
39) 2-Hexanone-d5	8.13	63	35670	48.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	88559	23.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	135046	23.54	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	129749	26.685	ug/L 100
3) Chloromethane	1.25	50	105895	26.542	ug/L 98
5) Vinyl chloride	1.32	62	114412	26.667	ug/L 99
6) Bromomethane	1.51	94	97561	28.057	ug/L 99
8) Chloroethane	1.59	64	72877	27.241	ug/L 98
9) Trichlorofluoromethane	1.77	101	228631	26.312	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	116272	24.995	ug/L 99
12) 1,1-Dichloroethene	2.14	96	104997	26.229	ug/L 95
13) Acetone	2.19	43	43710	46.285	ug/L 96
14) Carbon disulfide	2.32	76	265567	27.471	ug/L 99
15) Methyl Acetate	2.46	43	41341	24.579	ug/L 96
16) Methylene chloride	2.54	84	107584	18.106	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	224257	25.889	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	101807	26.766	ug/L 94
19) 1,1-Dichloroethane	3.23	63	169562	27.100	ug/L 96
21) 2-Butanone	4.01	43	52288	48.544	ug/L 96
22) cis-1,2-Dichloroethene	3.96	96	109829	26.538	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	53482	26.244	ug/L	97
25) Chloroform	4.43	83	190581	25.643	ug/L	99
27) 1,2-Dichloroethane	5.18	62	124364	26.147	ug/L	100
30) Cyclohexane	4.73	56	147743	26.807	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	166151	26.989	ug/L	99
32) Carbon tetrachloride	4.88	117	152124	26.517	ug/L	99
34) Benzene	5.15	78	388247	26.024	ug/L	100
35) Trichloroethene	5.96	95	112597	26.121	ug/L	98
36) Methylcyclohexane	6.18	83	179480	27.865	ug/L	99
40) 1,2-Dichloropropane	6.22	63	96077	26.319	ug/L	99
41) Bromodichloromethane	6.55	83	129278	26.578	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	147789	26.715	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	121263	51.324	ug/L	99
44) Toluene	7.43	91	452503	26.980	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	124901	26.902	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	79810	25.773	ug/L	99
47) Tetrachloroethene	8.02	164	101994	26.691	ug/L	95
49) 2-Hexanone	8.18	43	83905	54.013	ug/L	97
50) Dibromochloromethane	8.29	129	101196	26.715	ug/L	100
51) 1,2-Dibromoethane	8.40	107	81427	25.782	ug/L #	100
52) Chlorobenzene	8.93	112	310708	26.549	ug/L	99
53) Ethylbenzene	9.05	91	510313	27.593	ug/L	99
54) m,p-Xylene	9.18	106	203392	27.877	ug/L	100
55) o-xylene	9.59	106	197810	27.226	ug/L	93
56) Styrene	9.60	104	332854	28.774	ug/L	98
57) Isopropylbenzene	9.97	105	526881	28.533	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	98908	25.843	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	70958	25.192	ug/L	100
62) Bromoform	9.77	173	56559	25.087	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	259540	26.945	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	257964	26.319	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	241948	26.314	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	12980	24.954	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	196049	27.468	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	139776	28.580	ug/L	94
69) Naphthalene	13.55	128	187841	28.264	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	127532	28.118	ug/L	99

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

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