

Data File : VV009919.D
Acq On : 27 Mar 2019 10:15
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02566

Quant Time: Mar 28 05:11:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 27 01:42:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189706	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	191424	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	92050	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83959	21.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.24%
7) Chloroethane-d5	1.57	69	91923	22.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.44%
10) 1,1-Dichloroethene-d2	2.12	63	256859	24.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.56%
20) 2-Butanone-d5	3.94	46	34404	47.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.92%
24) Chloroform-d	4.40	84	120443	24.92	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.68%
26) 1,2-Dichloroethane-d4	5.08	65	65961	22.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.72%
29) Benzene-d6	5.09	84	234421	23.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.28%
33) 1,2-Dichloropropane-d6	6.11	67	68107	23.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.64%
37) Toluene-d8	7.36	98	220181	23.14	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.56%
38) trans-1,3-Dichloropropene-	7.66	79	26197	21.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.08%
39) 2-Hexanone-d5	8.14	63	26419	48.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	64096	22.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	78770	22.48	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.92%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	74906	25.504	ug/L	100
3) Chloromethane	1.25	50	101951	30.036	ug/L	100
5) Vinyl chloride	1.32	62	108205	24.518	ug/L	98
6) Bromomethane	1.53	94	122052	27.727	ug/L	98
8) Chloroethane	1.59	64	82639	21.736	ug/L	96
9) Trichlorofluoromethane	1.76	101	265937	28.255	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	148019	27.057	ug/L	99
12) 1,1-Dichloroethene	2.13	96	125035	26.943	ug/L	95
13) Acetone	2.20	43	48336	44.503	ug/L	99
14) Carbon disulfide	2.31	76	169959	27.069	ug/L	98
15) Methyl Acetate	2.46	43	30903	24.291	ug/L	95
16) Methylene chloride	2.53	84	67088	21.475	ug/L	96
17) Methyl tert-butyl Ether	2.81	73	150167	24.799	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	65037	26.165	ug/L	97
19) 1,1-Dichloroethane	3.23	63	117988	25.956	ug/L	97
21) 2-Butanone	4.03	43	47424	49.027	ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	69721	25.403	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31441	24.809	ug/L	95
25) Chloroform	4.42	83	124697	24.810	ug/L	98
27) 1,2-Dichloroethane	5.17	62	84181	23.639	ug/L	96
30) Cyclohexane	4.72	56	108153	28.021	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	106082	27.691	ug/L	99
32) Carbon tetrachloride	4.87	117	94346	28.334	ug/L	95
34) Benzene	5.14	78	273046	25.975	ug/L	100
35) Trichloroethene	5.96	95	68792	24.810	ug/L	97
36) Methylcyclohexane	6.17	83	119705	27.516	ug/L	97
40) 1,2-Dichloropropane	6.22	63	67195	25.582	ug/L #	93
41) Bromodichloromethane	6.55	83	83274	25.492	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	99625	26.014	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	95120	50.746	ug/L	99
44) Toluene	7.43	91	297946	25.711	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	81763	26.082	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	53136	24.459	ug/L	98
47) Tetrachloroethene	8.02	164	56852	25.984	ug/L	95
49) 2-Hexanone	8.19	43	71553	56.481	ug/L	98
50) Dibromochloromethane	8.29	129	55701	24.728	ug/L	88
51) 1,2-Dibromoethane	8.40	107	50326	23.858	ug/L #	91
52) Chlorobenzene	8.92	112	190530	24.697	ug/L	97
53) Ethylbenzene	9.05	91	334009	26.129	ug/L	100
54) m,p-Xylene	9.18	106	124941	24.885	ug/L	89
55) o-xylene	9.59	106	123484	25.339	ug/L	97
56) Styrene	9.60	104	206741	24.698	ug/L	95
57) Isopropylbenzene	9.97	105	331085	26.188	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	69867	23.860	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	48230	22.821	ug/L	99
62) Bromoform	9.77	173	28107	23.739	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	142815	25.084	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	147966	23.914	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	136784	24.344	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8069	22.976	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	107755	26.650	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	83421	27.969	ug/L	99
69) Naphthalene	13.55	128	132644	26.754	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	73751	26.005	ug/L	98

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

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