

Data File : VV010014.D
Acq On : 29 Mar 2019 21:08
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

Quant Time: Mar 30 04:19:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 30 04:13:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	163138	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	164257	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	80114	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64428	19.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.84%
7) Chloroethane-d5	1.56	69	75383	21.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.32%
10) 1,1-Dichloroethene-d2	2.12	63	210400	23.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.92%
20) 2-Butanone-d5	3.93	46	43394	70.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	140.68%#
24) Chloroform-d	4.40	84	108582	26.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.48%
26) 1,2-Dichloroethane-d4	5.08	65	68544	27.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.60%
29) Benzene-d6	5.09	84	206148	23.90	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.60%
33) 1,2-Dichloropropane-d6	6.12	67	66687	26.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.68%
37) Toluene-d8	7.36	98	192225	23.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.16%
38) trans-1,3-Dichloropropene-	7.66	79	26552	25.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	102.88%
39) 2-Hexanone-d5	8.13	63	29929	63.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	71133	28.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	113.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	71040	23.29	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.16%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	54678	21.649	ug/L	98
3) Chloromethane	1.25	50	64202	21.995	ug/L	97
5) Vinyl chloride	1.32	62	88013	23.190	ug/L	100
6) Bromomethane	1.51	94	79738	21.064	ug/L	97
8) Chloroethane	1.58	64	68991	21.101	ug/L	97
9) Trichlorofluoromethane	1.76	101	199681	24.671	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	117822	25.045	ug/L	99
12) 1,1-Dichloroethene	2.13	96	99554	24.946	ug/L	95
13) Acetone	2.18	43	48560	51.991	ug/L	98
14) Carbon disulfide	2.31	76	114599	21.225	ug/L	97
15) Methyl Acetate	2.46	43	33673	30.778	ug/L	96
16) Methylene chloride	2.53	84	59520	22.155	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	141736	27.219	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	50272	23.518	ug/L	96
19) 1,1-Dichloroethane	3.23	63	98222	25.126	ug/L	96
21) 2-Butanone	4.02	43	47510	57.115	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	60406	25.593	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	28691	26.326	ug/L	92
25) Chloroform	4.42	83	112644	26.062	ug/L	98
27) 1,2-Dichloroethane	5.17	62	84109	27.465	ug/L	99
30) Cyclohexane	4.72	56	80517	24.311	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	86131	26.202	ug/L	99
32) Carbon tetrachloride	4.87	117	74456	26.059	ug/L	94
34) Benzene	5.14	78	224701	24.912	ug/L	100
35) Trichloroethene	5.95	95	57775	24.283	ug/L	99
36) Methylcyclohexane	6.17	83	87970	23.566	ug/L	98
40) 1,2-Dichloropropane	6.22	63	56506	25.070	ug/L #	94
41) Bromodichloromethane	6.55	83	76171	27.175	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	84769	25.796	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	101291	62.975	ug/L	98
44) Toluene	7.43	91	246764	24.816	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	73626	27.370	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	50584	27.136	ug/L	96
47) Tetrachloroethene	8.02	164	43202	23.011	ug/L	89
49) 2-Hexanone	8.18	43	69476	63.912	ug/L	98
50) Dibromochloromethane	8.29	129	52434	27.127	ug/L	99
51) 1,2-Dibromoethane	8.39	107	49281	27.227	ug/L	88
52) Chlorobenzene	8.92	112	161773	24.438	ug/L	98
53) Ethylbenzene	9.05	91	267886	24.422	ug/L	98
54) m,p-Xylene	9.18	106	101949	23.664	ug/L	87
55) o-xylene	9.59	106	101796	24.343	ug/L	98
56) Styrene	9.60	104	174000	24.225	ug/L	91
57) Isopropylbenzene	9.97	105	257475	23.734	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	71518	28.463	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	52509	28.955	ug/L	99
62) Bromoform	9.77	173	28593	27.747	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	119789	24.175	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	123946	23.016	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	118673	24.267	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9594	31.389	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	83414	23.704	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	63666	24.526	ug/L	98
69) Naphthalene	13.55	128	115727	26.820	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	64381	26.084	ug/L	96

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

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