

Data File : VV010278.D
Acq On : 12 Apr 2019 10:22
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02567

Quant Time: Apr 13 04:46:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 12 04:45:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	283205	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	277811	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	147655	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	75069	23.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.12%
7) Chloroethane-d5	1.57	69	67691	24.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.64%
10) 1,1-Dichloroethene-d2	2.13	63	193772	23.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.40%
20) 2-Butanone-d5	3.93	46	41917	50.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.62%
24) Chloroform-d	4.40	84	160180	24.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.08%
26) 1,2-Dichloroethane-d4	5.08	65	91622	24.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.48%
29) Benzene-d6	5.10	84	321589	24.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.04%
33) 1,2-Dichloropropane-d6	6.12	67	94522	23.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.88%
37) Toluene-d8	7.36	98	324667	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.40%
38) trans-1,3-Dichloropropene-	7.66	79	41457	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.84%
39) 2-Hexanone-d5	8.13	63	34398	49.98	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	91214	25.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.04%
61) 1,2-Dichlorobenzene-d4	11.67	152	130338	23.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	119282	26.283 ug/L	98
3) Chloromethane	1.25	50	99076	26.605 ug/L	99
5) Vinyl chloride	1.33	62	107664	26.885 ug/L	99
6) Bromomethane	1.51	94	92207	28.410 ug/L	100
8) Chloroethane	1.59	64	66930	26.803 ug/L	98
9) Trichlorofluoromethane	1.77	101	216722	26.721 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	110668	25.488 ug/L	97
12) 1,1-Dichloroethene	2.14	96	95943	25.678 ug/L	99
13) Acetone	2.19	43	50298	57.061 ug/L	94
14) Carbon disulfide	2.32	76	239181	26.507 ug/L	97
15) Methyl Acetate	2.46	43	37707	24.018 ug/L	94
16) Methylene chloride	2.54	84	97949	17.660 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	204790	25.328 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	93323	26.286 ug/L	98
19) 1,1-Dichloroethane	3.23	63	154336	26.427 ug/L	97
21) 2-Butanone	4.01	43	49321	49.057 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	101349	26.236 ug/L	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	48524	25.510	ug/L	95
25) Chloroform	4.43	83	178635	25.751	ug/L	99
27) 1,2-Dichloroethane	5.18	62	114226	25.729	ug/L	97
30) Cyclohexane	4.72	56	135400	26.026	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	153765	26.460	ug/L	99
32) Carbon tetrachloride	4.87	117	144082	26.607	ug/L	99
34) Benzene	5.14	78	360776	25.619	ug/L	100
35) Trichloroethene	5.96	95	104879	25.776	ug/L	98
36) Methylcyclohexane	6.17	83	161526	26.566	ug/L	98
40) 1,2-Dichloropropane	6.22	63	87372	25.356	ug/L	98
41) Bromodichloromethane	6.55	83	118912	25.899	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	139706	26.754	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	111470	49.981	ug/L	99
44) Toluene	7.43	91	413100	26.093	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	116056	26.482	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	73812	25.252	ug/L	99
47) Tetrachloroethene	8.02	164	96012	26.618	ug/L	98
49) 2-Hexanone	8.18	43	78616	53.614	ug/L #	97
50) Dibromochloromethane	8.29	129	91669	25.637	ug/L	100
51) 1,2-Dibromoethane	8.40	107	75069	25.180	ug/L	99
52) Chlorobenzene	8.92	112	284314	25.736	ug/L	99
53) Ethylbenzene	9.05	91	471625	27.015	ug/L	99
54) m,p-Xylene	9.18	106	188037	27.303	ug/L	95
55) o-xylene	9.59	106	179782	26.214	ug/L	97
56) Styrene	9.60	104	302596	27.712	ug/L	98
57) Isopropylbenzene	9.97	105	485563	27.857	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	91615	25.359	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	66204	24.900	ug/L	97
62) Bromoform	9.77	173	52728	24.606	ug/L	94
63) 1,3-Dichlorobenzene	11.23	146	237355	25.926	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	235114	25.237	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	222421	25.451	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11952	24.175	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	181748	26.791	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	121008	26.032	ug/L	97
69) Naphthalene	13.55	128	152054	24.071	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	110733	25.686	ug/L	98

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

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