

Data File : VV010316.D
Acq On : 13 Apr 2019 04:59
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02569

Quant Time: Apr 13 06:50:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 05:50:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	288203	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	275062	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	134874	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	69398	20.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.68%
7) Chloroethane-d5	1.56	69	69852	24.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.00%
10) 1,1-Dichloroethene-d2	2.12	63	158970	18.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.32%
20) 2-Butanone-d5	3.92	46	57708	68.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.48%#
24) Chloroform-d	4.39	84	179071	27.21	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	108.84%
26) 1,2-Dichloroethane-d4	5.07	65	108280	28.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.56%
29) Benzene-d6	5.09	84	341263	25.73	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.92%
33) 1,2-Dichloropropane-d6	6.11	67	107346	27.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.84%
37) Toluene-d8	7.36	98	321462	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.40%
38) trans-1,3-Dichloropropene-	7.66	79	43106	26.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.84%
39) 2-Hexanone-d5	8.13	63	40910	60.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	101610	28.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	125277	25.15	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	99985	21.649	ug/L 100
3) Chloromethane	1.24	50	92720	24.466	ug/L 97
5) Vinyl chloride	1.32	62	96123	23.587	ug/L 100
6) Bromomethane	1.51	94	76061	23.028	ug/L 99
8) Chloroethane	1.58	64	67537	26.577	ug/L 99
9) Trichlorofluoromethane	1.75	101	198024	23.992	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	87575	19.820	ug/L 97
12) 1,1-Dichloroethene	2.13	96	80859	21.265	ug/L 95
13) Acetone	2.18	43	44591	49.710	ug/L 95
14) Carbon disulfide	2.31	76	216936	23.625	ug/L 100
15) Methyl Acetate	2.45	43	50528	31.627	ug/L 97
16) Methylene chloride	2.53	84	115271	20.423	ug/L 97
17) Methyl tert-butyl Ether	2.80	73	246197	29.922	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	95670	26.480	ug/L 91
19) 1,1-Dichloroethane	3.22	63	165530	27.852	ug/L 99
21) 2-Butanone	4.01	43	61858	60.460	ug/L 99
22) cis-1,2-Dichloroethene	3.95	96	110120	28.012	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	56857	29.372	ug/L	98
25) Chloroform	4.42	83	199369	28.242	ug/L	98
27) 1,2-Dichloroethane	5.17	62	138132	30.574	ug/L	100
30) Cyclohexane	4.72	56	114138	22.158	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	153341	26.651	ug/L	99
32) Carbon tetrachloride	4.87	117	135175	25.212	ug/L	98
34) Benzene	5.14	78	379288	27.203	ug/L	100
35) Trichloroethene	5.96	95	105543	26.198	ug/L	97
36) Methylcyclohexane	6.17	83	140109	23.274	ug/L	100
40) 1,2-Dichloropropane	6.22	63	99736	29.233	ug/L	98
41) Bromodichloromethane	6.55	83	135125	29.724	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	146524	28.340	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	140037	63.418	ug/L	99
44) Toluene	7.43	91	420126	26.802	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	124335	28.654	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	89218	30.828	ug/L	97
47) Tetrachloroethene	8.02	164	86966	24.351	ug/L	99
49) 2-Hexanone	8.18	43	90989	62.672	ug/L	97
50) Dibromochloromethane	8.29	129	107018	30.229	ug/L	95
51) 1,2-Dibromoethane	8.40	107	89037	30.164	ug/L	97
52) Chlorobenzene	8.92	112	288188	26.348	ug/L	98
53) Ethylbenzene	9.05	91	444673	25.726	ug/L	99
54) m,p-Xylene	9.18	106	169904	24.917	ug/L	97
55) o-xylene	9.59	106	172976	25.474	ug/L	93
56) Styrene	9.60	104	293382	27.136	ug/L	99
57) Isopropylbenzene	9.97	105	422356	24.473	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	103343	28.891	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	75835	28.807	ug/L	100
62) Bromoform	9.77	173	60920	31.123	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	211992	25.350	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	222053	26.094	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	213974	26.805	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13550	30.005	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	152273	24.573	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	106585	25.102	ug/L	96
69) Naphthalene	13.55	128	166080	28.783	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	108593	27.577	ug/L	99

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

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