

Data File : VV010902.D
Acq On : 15 May 2019 17:25
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02561

Quant Time: May 16 07:29:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Thu May 16 07:25:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	148985	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	145661	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	70351	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47955	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
7) Chloroethane-d5	1.57	69	35051	28.33	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	113.32%
10) 1,1-Dichloroethene-d2	2.12	63	90579	25.22	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.88%
20) 2-Butanone-d5	3.94	46	28553	47.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.62%
24) Chloroform-d	4.40	84	94074	21.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.48%
26) 1,2-Dichloroethane-d4	5.08	65	53016	21.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.72%
29) Benzene-d6	5.09	84	195954	24.30	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.20%
33) 1,2-Dichloropropane-d6	6.12	67	61859	24.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.20%
37) Toluene-d8	7.36	98	191408	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.84%
38) trans-1,3-Dichloropropene-	7.66	79	25911	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.36%
39) 2-Hexanone-d5	8.13	63	19920	40.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57200	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	68852	23.43	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.72%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	47629	28.815	ug/L 100
3) Chloromethane	1.25	50	47325	23.907	ug/L 97
5) Vinyl chloride	1.32	62	53358	25.036	ug/L 94
6) Bromomethane	1.51	94	15661	31.659	ug/L 99
8) Chloroethane	1.59	64	27383	24.842	ug/L 97
9) Trichlorofluoromethane	1.76	101	80048	26.238	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	48829	26.535	ug/L 98
12) 1,1-Dichloroethene	2.13	96	42954	25.019	ug/L 91
13) Acetone	2.19	43	27546	45.286	ug/L 96
14) Carbon disulfide	2.31	76	120186	23.241	ug/L 100
15) Methyl Acetate	2.46	43	24881	19.639	ug/L 99
16) Methylene chloride	2.53	84	52982	22.036	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	124768	22.257	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	48016	23.478	ug/L 97
19) 1,1-Dichloroethane	3.22	63	93031	23.496	ug/L 99
21) 2-Butanone	4.02	43	35213	44.848	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	54803	22.898	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24324	21.818	ug/L	99
25) Chloroform	4.42	83	99335	23.128	ug/L	97
27) 1,2-Dichloroethane	5.18	62	63166	21.078	ug/L	99
30) Cyclohexane	4.72	56	81230	29.006	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	81532	25.772	ug/L	98
32) Carbon tetrachloride	4.87	117	73361	27.174	ug/L	100
34) Benzene	5.14	78	205730	24.233	ug/L	100
35) Trichloroethene	5.96	95	55950	25.427	ug/L	99
36) Methylcyclohexane	6.17	83	89343	29.178	ug/L	99
40) 1,2-Dichloropropane	6.22	63	53408	23.097	ug/L	99
41) Bromodichloromethane	6.55	83	70619	23.817	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	79511	23.569	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	75705	46.359	ug/L	98
44) Toluene	7.43	91	235191	24.922	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	68366	23.979	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	44356	23.818	ug/L	98
47) Tetrachloroethene	8.02	164	43518	26.766	ug/L	95
49) 2-Hexanone	8.18	43	55821	46.283	ug/L	94
50) Dibromochloromethane	8.29	129	49865	24.073	ug/L	96
51) 1,2-Dibromoethane	8.40	107	41014	23.377	ug/L	98
52) Chlorobenzene	8.92	112	154356	24.016	ug/L	99
53) Ethylbenzene	9.05	91	264246	25.559	ug/L	100
54) m,p-Xylene	9.18	106	102892	25.259	ug/L	98
55) o-xylene	9.59	106	100848	25.199	ug/L	99
56) Styrene	9.60	104	174593	25.442	ug/L	100
57) Isopropylbenzene	9.97	105	269516	26.903	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	57633	23.433	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	40801	22.896	ug/L	99
62) Bromoform	9.77	173	27504	25.046	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	118474	24.374	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	122877	24.402	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	114821	23.677	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	8085	22.261	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	89873	25.371	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	70566	24.670	ug/L	97
69) Naphthalene	13.55	128	142669	23.810	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	67244	24.700	ug/L	99

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

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