

Data File : VV010872.D
Acq On : 14 May 2019 21:10
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02598

Quant Time: May 15 06:58:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 06:52:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	139848	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	144996	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71234	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43778	24.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.28%
7) Chloroethane-d5	1.56	69	30728	26.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.84%
10) 1,1-Dichloroethene-d2	2.12	63	78803	23.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.48%
20) 2-Butanone-d5	3.94	46	31875	56.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.72%
24) Chloroform-d	4.40	84	89735	22.22	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.88%
26) 1,2-Dichloroethane-d4	5.08	65	53954	23.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.00%
29) Benzene-d6	5.10	84	188832	23.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.12%
33) 1,2-Dichloropropane-d6	6.12	67	57243	22.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.44%
37) Toluene-d8	7.36	98	176477	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.52%
38) trans-1,3-Dichloropropene-	7.66	79	25809	23.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.44%
39) 2-Hexanone-d5	8.13	63	19767	40.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	56048	23.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.40%
61) 1,2-Dichlorobenzene-d4	11.67	152	65693	22.08	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	37641	24.261	ug/L	97
3) Chloromethane	1.25	50	38620	20.784	ug/L	99
5) Vinyl chloride	1.32	62	44979	22.483	ug/L	93
6) Bromomethane	1.51	94	12878	27.734	ug/L	100
8) Chloroethane	1.58	64	23703	22.908	ug/L	99
9) Trichlorofluoromethane	1.76	101	64061	22.370	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	39690	22.978	ug/L	98
12) 1,1-Dichloroethene	2.13	96	36519	22.661	ug/L	96
13) Acetone	2.19	43	27578	48.301	ug/L	96
14) Carbon disulfide	2.31	76	100824	20.770	ug/L	99
15) Methyl Acetate	2.46	43	26379	22.182	ug/L	95
16) Methylene chloride	2.53	84	47331	20.972	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	118008	22.426	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	41715	21.730	ug/L	98
19) 1,1-Dichloroethane	3.22	63	82186	22.113	ug/L	99
21) 2-Butanone	4.02	43	36184	49.096	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	49072	21.843	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	23225	22.193	ug/L	98
25) Chloroform	4.42	83	89412	22.177	ug/L	97
27) 1,2-Dichloroethane	5.18	62	61558	21.883	ug/L	100
30) Cyclohexane	4.72	56	63683	22.845	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	70120	22.266	ug/L	99
32) Carbon tetrachloride	4.87	117	61123	22.744	ug/L	99
34) Benzene	5.14	78	181241	21.446	ug/L	100
35) Trichloroethene	5.96	95	47446	21.662	ug/L	97
36) Methylcyclohexane	6.17	83	70720	23.202	ug/L	100
40) 1,2-Dichloropropane	6.22	63	50310	21.857	ug/L #	94
41) Bromodichloromethane	6.55	83	65122	22.063	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	77181	22.983	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	75213	46.269	ug/L	98
44) Toluene	7.43	91	207989	22.141	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	63489	22.370	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	40691	21.950	ug/L	98
47) Tetrachloroethene	8.02	164	35332	21.831	ug/L	93
49) 2-Hexanone	8.18	43	57909	48.235	ug/L	99
50) Dibromochloromethane	8.29	129	46553	22.577	ug/L	99
51) 1,2-Dibromoethane	8.39	107	38549	22.073	ug/L	99
52) Chlorobenzene	8.92	112	140104	21.899	ug/L	100
53) Ethylbenzene	9.05	91	231005	22.446	ug/L	99
54) m,p-Xylene	9.18	106	89528	22.079	ug/L	98
55) o-xylene	9.59	106	89992	22.589	ug/L	100
56) Styrene	9.60	104	157094	22.997	ug/L	99
57) Isopropylbenzene	9.97	105	228855	22.949	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	54801	22.384	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	39985	22.541	ug/L	100
62) Bromoform	9.77	173	25874	23.270	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	107880	21.919	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	108899	21.358	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	105356	21.456	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	8673	23.584	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	76587	21.352	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	62126	21.450	ug/L	97
69) Naphthalene	13.55	128	136295	22.464	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	62292	22.598	ug/L	99

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

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