

Data File : VV010932.D
Acq On : 16 May 2019 15:43
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02563

Quant Time: May 17 05:22:37 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Fri May 17 05:18:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	141112	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	141336	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	70165	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	44723	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.52%
7) Chloroethane-d5	1.56	69	31855	27.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.76%
10) 1,1-Dichloroethene-d2	2.12	63	85666	25.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.72%
20) 2-Butanone-d5	3.94	46	29926	52.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.82%
24) Chloroform-d	4.40	84	89844	22.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	5.08	65	51605	22.28	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.12%
29) Benzene-d6	5.09	84	190595	24.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.44%
33) 1,2-Dichloropropane-d6	6.12	67	58716	23.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.08%
37) Toluene-d8	7.36	98	181405	24.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.52%
38) trans-1,3-Dichloropropene-	7.66	79	24501	22.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.00%
39) 2-Hexanone-d5	8.13	63	19969	42.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	58733	25.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	67013	22.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.48%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	48068	30.704	ug/L 100
3) Chloromethane	1.25	50	45471	24.251	ug/L 99
5) Vinyl chloride	1.32	62	51031	25.280	ug/L 96
6) Bromomethane	1.51	94	13499	28.811	ug/L 97
8) Chloroethane	1.58	64	27541	26.379	ug/L 96
9) Trichlorofluoromethane	1.76	101	77511	26.824	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46766	26.832	ug/L 99
12) 1,1-Dichloroethene	2.13	96	40765	25.069	ug/L 96
13) Acetone	2.19	43	29673	51.505	ug/L 95
14) Carbon disulfide	2.31	76	113693	23.212	ug/L 99
15) Methyl Acetate	2.46	43	23397	19.498	ug/L 94
16) Methylene chloride	2.53	84	48734	21.400	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	121936	22.965	ug/L 99
18) trans-1,2-Dichloroethene	2.78	96	47373	24.456	ug/L 99
19) 1,1-Dichloroethane	3.22	63	89068	23.750	ug/L 100
21) 2-Butanone	4.02	43	36486	49.062	ug/L 97
22) cis-1,2-Dichloroethene	3.96	96	53260	23.495	ug/L 95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24683	23.375	ug/L	95
25) Chloroform	4.42	83	96433	23.705	ug/L	100
27) 1,2-Dichloroethane	5.18	62	60273	21.235	ug/L #	95
30) Cyclohexane	4.72	56	77598	28.557	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	79506	25.900	ug/L	98
32) Carbon tetrachloride	4.87	117	71539	27.310	ug/L	100
34) Benzene	5.14	78	200095	24.290	ug/L	100
35) Trichloroethene	5.96	95	53645	25.126	ug/L	98
36) Methylcyclohexane	6.17	83	85512	28.781	ug/L	99
40) 1,2-Dichloropropane	6.22	63	54262	24.184	ug/L	99
41) Bromodichloromethane	6.55	83	66465	23.102	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	78192	23.888	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	76733	48.426	ug/L	96
44) Toluene	7.43	91	228441	24.947	ug/L	96
45) trans-1,3-Dichloropropene	7.69	75	65392	23.637	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	42296	23.407	ug/L	90
47) Tetrachloroethene	8.02	164	41831	26.516	ug/L	94
49) 2-Hexanone	8.18	43	58424	49.924	ug/L	97
50) Dibromochloromethane	8.29	129	49187	24.472	ug/L	99
51) 1,2-Dibromoethane	8.40	107	41147	24.171	ug/L	96
52) Chlorobenzene	8.92	112	148770	23.855	ug/L	99
53) Ethylbenzene	9.05	91	257509	25.669	ug/L	98
54) m,p-Xylene	9.18	106	100631	25.460	ug/L	99
55) o-xylene	9.59	106	96498	24.850	ug/L	100
56) Styrene	9.60	104	168055	25.238	ug/L	99
57) Isopropylbenzene	9.97	105	259852	26.732	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	58758	24.622	ug/L	94
59) 1,2,3-Trichloropropane	10.32	75	41199	23.827	ug/L	99
62) Bromoform	9.77	173	27810	25.392	ug/L #	99
63) 1,3-Dichlorobenzene	11.22	146	115940	23.915	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	118389	23.573	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	111174	22.986	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8830	24.377	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	86016	24.346	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	67707	23.733	ug/L	97
69) Naphthalene	13.55	128	140258	23.470	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65239	24.027	ug/L	100

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

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