

Data File : VV011158.D
Acq On : 31 May 2019 02:37
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02580

Quant Time: May 31 03:07:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 01:43:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	393946	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	377432	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	168226	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	110751	20.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.12%
7) Chloroethane-d5	1.55	69	92667	22.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.44%
10) 1,1-Dichloroethene-d2	2.12	63	221397	20.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.96%
20) 2-Butanone-d5	3.93	46	95580	49.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.12%
24) Chloroform-d	4.39	84	225426	23.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	5.07	65	148716	23.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.80%
29) Benzene-d6	5.09	84	494515	24.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.48%
33) 1,2-Dichloropropane-d6	6.11	67	159796	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.32%
37) Toluene-d8	7.36	98	462066	23.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.56%
38) trans-1,3-Dichloropropene-	7.66	79	70114	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.36%
39) 2-Hexanone-d5	8.13	63	70875	47.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.96%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	146179	24.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	154576	24.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.24%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	133161	20.932 ug/L	99
3) Chloromethane	1.24	50	142155	22.855 ug/L	98
5) Vinyl chloride	1.31	62	138633	22.357 ug/L	99
6) Bromomethane	1.50	94	82081	24.555 ug/L	100
8) Chloroethane	1.57	64	83907	23.387 ug/L	98
9) Trichlorofluoromethane	1.75	101	189863	21.281 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	92747	19.409 ug/L	99
12) 1,1-Dichloroethene	2.12	96	91345	20.636 ug/L	94
13) Acetone	2.18	43	79050	34.880 ug/L	100
14) Carbon disulfide	2.30	76	304719	21.435 ug/L	100
15) Methyl Acetate	2.45	43	69721	20.445 ug/L	97
16) Methylene chloride	2.52	84	136594	22.752 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	339220	22.105 ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	113848	21.114 ug/L	96
19) 1,1-Dichloroethane	3.22	63	232182	22.255 ug/L	98
21) 2-Butanone	4.01	43	106810	40.172 ug/L	97
22) cis-1,2-Dichloroethene	3.95	96	137790	22.880 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	61413	23.176	ug/L	91
25) Chloroform	4.42	83	251727	22.584	ug/L	99
27) 1,2-Dichloroethane	5.17	62	182525	23.385	ug/L	98
30) Cyclohexane	4.71	56	193519	19.174	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	187852	21.733	ug/L	99
32) Carbon tetrachloride	4.87	117	151276	20.644	ug/L	100
34) Benzene	5.14	78	521613	23.313	ug/L	100
35) Trichloroethene	5.95	95	131373	22.392	ug/L	98
36) Methylcyclohexane	6.17	83	200583	20.203	ug/L	100
40) 1,2-Dichloropropane	6.22	63	139873	23.782	ug/L	100
41) Bromodichloromethane	6.55	83	180338	23.540	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	218064	23.321	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	243845	45.638	ug/L	100
44) Toluene	7.43	91	571753	23.410	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	186937	23.423	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	108711	23.697	ug/L	98
47) Tetrachloroethene	8.02	164	96071	22.098	ug/L	97
49) 2-Hexanone	8.18	43	162311	42.162	ug/L	100
50) Dibromochloromethane	8.29	129	125826	24.270	ug/L	100
51) 1,2-Dibromoethane	8.39	107	105900	23.801	ug/L	100
52) Chlorobenzene	8.92	112	368480	23.569	ug/L	98
53) Ethylbenzene	9.05	91	641801	22.902	ug/L	99
54) m,p-Xylene	9.18	106	230034	22.068	ug/L	100
55) o-xylene	9.59	106	230342	22.468	ug/L	99
56) Styrene	9.60	104	398965	23.169	ug/L	96
57) Isopropylbenzene	9.97	105	598268	21.855	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	140090	22.472	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	108445	23.006	ug/L	100
62) Bromoform	9.77	173	66586	25.389	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	260559	23.910	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	257204	23.259	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	244983	23.744	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	22213	22.189	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	184138	22.606	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	149964	22.942	ug/L	100
69) Naphthalene	13.55	128	318726	23.719	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	141363	23.318	ug/L	98

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

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