

Data File : VV010889.D
Acq On : 15 May 2019 06:37
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02599

Quant Time: May 15 08:59:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 08:08:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	151959	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	149653	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	68836	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	41900	21.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.56%
7) Chloroethane-d5	1.55	69	30620	24.27	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.08%
10) 1,1-Dichloroethene-d2	2.11	63	79993	21.83	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.32%
20) 2-Butanone-d5	3.93	46	31634	51.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.88%
24) Chloroform-d	4.39	84	91102	20.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.08%
26) 1,2-Dichloroethane-d4	5.07	65	59651	23.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.68%
29) Benzene-d6	5.09	84	204101	24.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.56%
33) 1,2-Dichloropropane-d6	6.11	67	65604	24.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.28%
37) Toluene-d8	7.35	98	185876	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.40%
38) trans-1,3-Dichloropropene-	7.66	79	26527	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.04%
39) 2-Hexanone-d5	8.13	63	21888	43.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59205	24.15	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	64047	22.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	37533	22.263	ug/L	97
3) Chloromethane	1.24	50	46049	22.807	ug/L	98
5) Vinyl chloride	1.31	62	48248	22.195	ug/L	95
6) Bromomethane	1.50	94	14462	28.663	ug/L	100
8) Chloroethane	1.57	64	30417	27.054	ug/L	95
9) Trichlorofluoromethane	1.74	101	70407	22.626	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	42605	22.699	ug/L	98
12) 1,1-Dichloroethene	2.12	96	40633	23.204	ug/L	97
13) Acetone	2.18	43	28939	46.645	ug/L	95
14) Carbon disulfide	2.30	76	115131	21.827	ug/L	99
15) Methyl Acetate	2.45	43	31868	24.662	ug/L	99
16) Methylene chloride	2.52	84	59126	24.110	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	152249	26.628	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	49719	23.835	ug/L	97
19) 1,1-Dichloroethane	3.22	63	98863	24.480	ug/L	98
21) 2-Butanone	4.01	43	41956	52.391	ug/L	98
22) cis-1,2-Dichloroethene	3.95	96	61597	25.233	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	28867	25.386	ug/L	95
25) Chloroform	4.42	83	120339	27.470	ug/L	100
27) 1,2-Dichloroethane	5.17	62	76682	25.087	ug/L	100
30) Cyclohexane	4.71	56	67964	23.622	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	81092	24.949	ug/L	98
32) Carbon tetrachloride	4.87	117	68109	24.555	ug/L	99
34) Benzene	5.14	78	225425	25.845	ug/L	100
35) Trichloroethene	5.95	95	57729	25.536	ug/L	99
36) Methylcyclohexane	6.17	83	76317	24.259	ug/L	99
40) 1,2-Dichloropropane	6.22	63	62787	26.429	ug/L	99
41) Bromodichloromethane	6.55	83	80160	26.313	ug/L	98
42) cis-1,3-Dichloropropene	7.06	75	88389	25.502	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	88430	52.707	ug/L	95
44) Toluene	7.43	91	243363	25.100	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	74779	25.528	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	52378	27.376	ug/L	97
47) Tetrachloroethene	8.01	164	40393	24.181	ug/L	96
49) 2-Hexanone	8.18	43	61193	49.384	ug/L	97
50) Dibromochloromethane	8.29	129	58920	27.685	ug/L	97
51) 1,2-Dibromoethane	8.39	107	47788	26.512	ug/L	100
52) Chlorobenzene	8.92	112	162683	24.636	ug/L	100
53) Ethylbenzene	9.05	91	260661	24.540	ug/L	99
54) m,p-Xylene	9.18	106	99795	23.845	ug/L	99
55) o-xylene	9.59	106	100490	24.439	ug/L	98
56) Styrene	9.60	104	175067	24.830	ug/L	98
57) Isopropylbenzene	9.97	105	250489	24.337	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	62509	24.738	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	47156	25.757	ug/L	100
62) Bromoform	9.78	173	31254	29.088	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	114170	24.005	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	117233	23.794	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	113727	23.968	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	9436	26.553	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.69	180	75624	21.818	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	61824	22.089	ug/L	99
69) Naphthalene	13.55	128	140034	23.885	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	62839	23.590	ug/L	99

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

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