

Data File : VV011042.D
Acq On : 23 May 2019 22:41
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02572

Quant Time: May 24 08:21:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 24 08:16:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	111475	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	117985	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	56073	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26518	20.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.48%
7) Chloroethane-d5	1.56	69	20000	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.96%
10) 1,1-Dichloroethene-d2	2.12	63	52401	21.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.76%
20) 2-Butanone-d5	3.93	46	26694	60.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.74%
24) Chloroform-d	4.40	84	71651	24.81	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.24%
26) 1,2-Dichloroethane-d4	5.08	65	43751	25.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.84%
29) Benzene-d6	5.09	84	158932	24.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.68%
33) 1,2-Dichloropropane-d6	6.11	67	51458	25.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.56%
37) Toluene-d8	7.36	98	145104	24.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.92%
38) trans-1,3-Dichloropropene-	7.66	79	20199	24.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.16%
39) 2-Hexanone-d5	8.13	63	19550	51.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52753	25.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	54853	24.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	32667	19.849 ug/L	99
3) Chloromethane	1.25	50	32345	21.697 ug/L	99
5) Vinyl chloride	1.32	62	32365	21.617 ug/L	96
6) Bromomethane	1.51	94	9538	18.270 ug/L	98
8) Chloroethane	1.58	64	17662	23.575 ug/L	98
9) Trichlorofluoromethane	1.75	101	48852	20.472 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	28300	20.797 ug/L	95
12) 1,1-Dichloroethene	2.13	96	25579	21.744 ug/L	96
13) Acetone	2.19	43	19663	46.498 ug/L	99
14) Carbon disulfide	2.31	76	67176	20.392 ug/L	98
15) Methyl Acetate	2.45	43	21472	26.427 ug/L	99
16) Methylene chloride	2.53	84	44706	23.368 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	106240	25.524 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	37074	22.845 ug/L	96
19) 1,1-Dichloroethane	3.22	63	72971	24.695 ug/L	98
21) 2-Butanone	4.02	43	28550	49.335 ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	45101	24.961 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	21247	24.813	ug/L	92
25) Chloroform	4.42	83	87495	26.168	ug/L	99
27) 1,2-Dichloroethane	5.18	62	52820	25.698	ug/L	99
30) Cyclohexane	4.72	56	49697	20.271	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	58378	21.996	ug/L	99
32) Carbon tetrachloride	4.87	117	50171	20.729	ug/L	98
34) Benzene	5.14	78	165778	24.374	ug/L	100
35) Trichloroethene	5.96	95	42307	22.513	ug/L	96
36) Methylcyclohexane	6.17	83	56274	20.256	ug/L	99
40) 1,2-Dichloropropane	6.22	63	44220	24.739	ug/L	99
41) Bromodichloromethane	6.55	83	57313	23.989	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	65307	24.546	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	63160	49.293	ug/L	99
44) Toluene	7.43	91	183443	24.304	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	53918	24.058	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	38671	25.389	ug/L	98
47) Tetrachloroethene	8.02	164	29409	20.049	ug/L	97
49) 2-Hexanone	8.18	43	44186	47.231	ug/L	99
50) Dibromochloromethane	8.29	129	41799	23.316	ug/L	98
51) 1,2-Dibromoethane	8.40	107	36409	24.719	ug/L	95
52) Chlorobenzene	8.92	112	121846	23.552	ug/L	95
53) Ethylbenzene	9.05	91	198638	24.153	ug/L	99
54) m,p-Xylene	9.18	106	75518	23.560	ug/L	96
55) o-xylene	9.59	106	76210	24.920	ug/L	96
56) Styrene	9.60	104	134488	25.517	ug/L	99
57) Isopropylbenzene	9.97	105	193504	23.985	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	50767	25.314	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	36084	24.493	ug/L	98
62) Bromoform	9.77	173	22691	22.796	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	88608	23.168	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	94551	24.005	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	90446	24.390	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7820	26.545	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	63797	22.740	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	51920	23.415	ug/L	98
69) Naphthalene	13.55	128	116241	26.151	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	52607	24.301	ug/L	99

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

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