

Data File : VV010940.D
Acq On : 16 May 2019 20:46
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02564

Quant Time: May 17 06:32:32 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM051319S.M
Quant Title : VOC Analysis
QLast Update : Fri May 17 06:28:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	122884	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	124941	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62279	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36282	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.68%
7) Chloroethane-d5	1.56	69	27827	27.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.08%
10) 1,1-Dichloroethene-d2	2.12	63	72243	24.38	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.52%
20) 2-Butanone-d5	3.94	46	26424	53.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.30%
24) Chloroform-d	4.40	84	84051	23.69	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.76%
26) 1,2-Dichloroethane-d4	5.08	65	49167	24.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.52%
29) Benzene-d6	5.10	84	173946	25.15	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.60%
33) 1,2-Dichloropropane-d6	6.12	67	54553	24.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.88%
37) Toluene-d8	7.36	98	165512	24.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.64%
38) trans-1,3-Dichloropropene-	7.66	79	22351	23.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.88%
39) 2-Hexanone-d5	8.13	63	17392	41.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52605	25.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	61833	23.77	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	41347	30.328 ug/L	99
3) Chloromethane	1.25	50	41833	25.621 ug/L	98
5) Vinyl chloride	1.32	62	45087	25.648 ug/L	96
6) Bromomethane	1.51	94	16485	40.403 ug/L	96
8) Chloroethane	1.59	64	25094	27.601 ug/L	99
9) Trichlorofluoromethane	1.76	101	68914	27.386 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	42314	27.879 ug/L	99
12) 1,1-Dichloroethene	2.13	96	37213	26.279 ug/L	93
13) Acetone	2.19	43	22951	45.746 ug/L	98
14) Carbon disulfide	2.31	76	103771	24.328 ug/L	100
15) Methyl Acetate	2.46	43	21484	20.560 ug/L	98
16) Methylene chloride	2.53	84	48338	24.375 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	119805	25.911 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	44197	26.201 ug/L	98
19) 1,1-Dichloroethane	3.23	63	86534	26.497 ug/L	98
21) 2-Butanone	4.02	43	34901	53.893 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	51989	26.337 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24232	26.352	ug/L	93
25) Chloroform	4.42	83	95400	26.929	ug/L	100
27) 1,2-Dichloroethane	5.18	62	63700	25.771	ug/L	95
30) Cyclohexane	4.72	56	67752	28.206	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	73551	27.104	ug/L	97
32) Carbon tetrachloride	4.87	117	65456	28.266	ug/L	99
34) Benzene	5.14	78	198268	27.227	ug/L	100
35) Trichloroethene	5.96	95	51193	27.124	ug/L	99
36) Methylcyclohexane	6.17	83	79517	30.275	ug/L	98
40) 1,2-Dichloropropane	6.22	63	53981	27.216	ug/L	98
41) Bromodichloromethane	6.56	83	67434	26.514	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	77231	26.690	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	72932	52.067	ug/L	98
44) Toluene	7.43	91	225879	27.905	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	64701	26.457	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	42732	26.752	ug/L	92
47) Tetrachloroethene	8.02	164	38354	27.502	ug/L	92
49) 2-Hexanone	8.18	43	52221	50.479	ug/L	96
50) Dibromochloromethane	8.29	129	48178	27.115	ug/L	95
51) 1,2-Dibromoethane	8.40	107	40469	26.892	ug/L	96
52) Chlorobenzene	8.93	112	148304	26.901	ug/L	98
53) Ethylbenzene	9.05	91	246990	27.852	ug/L	99
54) m,p-Xylene	9.18	106	96726	27.683	ug/L	98
55) o-xylene	9.59	106	95516	27.824	ug/L	99
56) Styrene	9.60	104	166696	28.319	ug/L	99
57) Isopropylbenzene	9.97	105	249235	29.005	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	57750	27.375	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	41427	27.103	ug/L	97
62) Bromoform	9.78	173	26639	27.403	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	113784	26.443	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	117872	26.442	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	113619	26.466	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	8653	26.913	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	85322	27.208	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	67222	26.547	ug/L	99
69) Naphthalene	13.55	128	132321	24.945	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	65383	27.129	ug/L	99

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

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