

Data File : VV009937.D
Acq On : 27 Mar 2019 19:59
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02567

Manual Integrations
APPROVED

MMDadoda
3/29/2019 1:12:33 PM

Quant Time: Mar 28 07:17:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 05:12:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	188349	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	188168	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	92361	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85191	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.16%
7) Chloroethane-d5	1.57	69	91326	22.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.48%
10) 1,1-Dichloroethene-d2	2.13	63	249473	23.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.44%
20) 2-Butanone-d5	3.93	46	35219m	49.45	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.90%
24) Chloroform-d	4.40	84	111117	23.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.64%
26) 1,2-Dichloroethane-d4	5.08	65	71199	24.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.60%
29) Benzene-d6	5.10	84	241686	24.46	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.84%
33) 1,2-Dichloropropane-d6	6.12	67	71939	24.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.52%
37) Toluene-d8	7.36	98	233494	24.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.84%
38) trans-1,3-Dichloropropene-	7.66	79	27936	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.48%
39) 2-Hexanone-d5	8.13	63	26371	48.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.74%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	68706	24.00	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	83085	23.63	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.52%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	65588	22.492	ug/L	97
3) Chloromethane	1.25	50	68890	20.442	ug/L	100
5) Vinyl chloride	1.32	62	101559	23.178	ug/L	98
6) Bromomethane	1.51	94	91596	20.958	ug/L	99
8) Chloroethane	1.59	64	77059	20.414	ug/L	99
9) Trichlorofluoromethane	1.76	101	227529	24.349	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	133798	24.634	ug/L	99
12) 1,1-Dichloroethene	2.14	96	111652	24.232	ug/L	93
13) Acetone	2.18	43	50171	46.526	ug/L	99
14) Carbon disulfide	2.32	76	143547	23.028	ug/L	96
15) Methyl Acetate	2.46	43	28667	22.695	ug/L	93
16) Methylene chloride	2.53	84	70114	22.605	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	139930	23.275	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	57167	23.164	ug/L	96
19) 1,1-Dichloroethane	3.23	63	104960	23.256	ug/L	99
21) 2-Butanone	4.01	43	40574	42.248	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	64423	23.642	ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	28569	22.706	ug/L #	84
25) Chloroform	4.42	83	125669	25.183	ug/L	100
27) 1,2-Dichloroethane	5.18	62	83818	23.707	ug/L	100
30) Cyclohexane	4.72	56	89261	23.527	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	94107	24.990	ug/L	99
32) Carbon tetrachloride	4.87	117	81070	24.768	ug/L	100
34) Benzene	5.14	78	237349	22.970	ug/L	100
35) Trichloroethene	5.96	95	63829	23.419	ug/L	97
36) Methylcyclohexane	6.17	83	102565	23.984	ug/L	97
40) 1,2-Dichloropropane	6.22	63	62169	24.078	ug/L #	94
41) Bromodichloromethane	6.55	83	77189	24.039	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	88353	23.470	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	86851	47.136	ug/L	99
44) Toluene	7.43	91	274072	24.060	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	75835	24.609	ug/L	94
46) 1,1,2-Trichloroethane	7.88	97	51294	24.020	ug/L	98
47) Tetrachloroethene	8.02	164	52088	24.218	ug/L	99
49) 2-Hexanone	8.18	43	60068	48.236	ug/L	97
50) Dibromochloromethane	8.29	129	53760	24.279	ug/L	99
51) 1,2-Dibromoethane	8.40	107	49397	23.823	ug/L	95
52) Chlorobenzene	8.92	112	175996	23.208	ug/L	98
53) Ethylbenzene	9.05	91	304042	24.196	ug/L	99
54) m,p-Xylene	9.18	106	116768	23.660	ug/L	96
55) o-xylene	9.59	106	109994	22.961	ug/L	96
56) Styrene	9.60	104	193517	23.518	ug/L	97
57) Isopropylbenzene	9.97	105	296344	23.846	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	65414	22.726	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	47118	22.681	ug/L	98
62) Bromoform	9.78	173	26205	22.058	ug/L	96
63) 1,3-Dichlorobenzene	11.23	146	131474	23.015	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	136344	21.961	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	130409	23.131	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7518	21.335	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	95800	23.614	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	72677	24.285	ug/L	99
69) Naphthalene	13.55	128	113188	22.753	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	67185	23.610	ug/L	98

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

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