

Data File : VV009996.D
Acq On : 29 Mar 2019 11:46
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: Mar 30 04:09:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 04:20:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	205797	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	197625	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	92094	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	90320	21.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.52%
7) Chloroethane-d5	1.57	69	117948	26.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.60%
10) 1,1-Dichloroethene-d2	2.13	63	268950	23.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.16%
20) 2-Butanone-d5	3.93	46	34599	44.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.92%
24) Chloroform-d	4.40	84	140266	26.75	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.00%
26) 1,2-Dichloroethane-d4	5.08	65	79700	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.04%
29) Benzene-d6	5.10	84	277737	26.76	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.04%
33) 1,2-Dichloropropane-d6	6.12	67	80370	26.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.88%
37) Toluene-d8	7.36	98	260121	26.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.92%
38) trans-1,3-Dichloropropene-	7.66	79	32623	26.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.04%
39) 2-Hexanone-d5	8.13	63	25959	45.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.60%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	70088	23.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	86503	24.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.68%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	80435	25.245 ug/L	98
3) Chloromethane	1.25	50	101260	27.500 ug/L	97
5) Vinyl chloride	1.32	62	115914	24.211 ug/L	99
6) Bromomethane	1.53	94	125993	26.384 ug/L	98
8) Chloroethane	1.59	64	88525	21.464 ug/L	99
9) Trichlorofluoromethane	1.77	101	260392	25.503 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	149294	25.157 ug/L	99
12) 1,1-Dichloroethene	2.14	96	125643	24.957 ug/L	91
13) Acetone	2.20	43	39554	33.570 ug/L	94
14) Carbon disulfide	2.32	76	163946	24.070 ug/L	99
15) Methyl Acetate	2.46	43	30261	21.926 ug/L	97
16) Methylene chloride	2.53	84	73133	21.579 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	154499	23.519 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	66226	24.560 ug/L	96
19) 1,1-Dichloroethane	3.23	63	127868	25.930 ug/L	97
21) 2-Butanone	4.02	43	46022	43.857 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	77916	26.169 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	33578	24.424	ug/L	93
25) Chloroform	4.42	83	137482	25.215	ug/L	99
27) 1,2-Dichloroethane	5.18	62	94992	24.589	ug/L	99
30) Cyclohexane	4.72	56	114596	28.759	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	118880	30.058	ug/L	98
32) Carbon tetrachloride	4.87	117	102273	29.751	ug/L	98
34) Benzene	5.14	78	290412	26.761	ug/L	100
35) Trichloroethene	5.96	95	78455	27.407	ug/L	97
36) Methylcyclohexane	6.17	83	123155	27.421	ug/L	95
40) 1,2-Dichloropropane	6.22	63	71982	26.544	ug/L #	94
41) Bromodichloromethane	6.55	83	91285	27.068	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	106273	26.880	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	89474	46.236	ug/L	99
44) Toluene	7.43	91	311839	26.065	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	86427	26.704	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	55000	24.523	ug/L	98
47) Tetrachloroethene	8.02	164	61553	27.250	ug/L	96
49) 2-Hexanone	8.18	43	63978	48.917	ug/L	97
50) Dibromochloromethane	8.29	129	57703	24.813	ug/L	98
51) 1,2-Dibromoethane	8.40	107	52399	24.062	ug/L	96
52) Chlorobenzene	8.92	112	202052	25.369	ug/L	98
53) Ethylbenzene	9.05	91	350177	26.534	ug/L	99
54) m,p-Xylene	9.18	106	135336	26.110	ug/L	92
55) o-xylene	9.59	106	126592	25.161	ug/L	92
56) Styrene	9.60	104	215441	24.930	ug/L	98
57) Isopropylbenzene	9.97	105	349038	26.742	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	70075	23.180	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	49213	22.556	ug/L	100
62) Bromoform	9.77	173	29558	24.952	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	145867	25.608	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	150632	24.333	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	140505	24.994	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	7602	21.636	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	106993	26.449	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	79062	26.495	ug/L	96
69) Naphthalene	13.55	128	128179	25.841	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	78114	27.531	ug/L	95

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

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