

Data File : VV013474.D
Acq On : 01 Nov 2019 19:29
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02592

Quant Time: Nov 02 03:01:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 02 03:55:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	664194	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	640231	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	363068	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	237474	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.56%
7) Chloroethane-d5	1.58	69	181557	26.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	106.44%
10) 1,1-Dichloroethene-d2	2.13	63	390648	24.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.08%
20) 2-Butanone-d5	3.92	46	228134	52.00	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.00%
24) Chloroform-d	4.40	84	454420	24.16	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.64%
26) 1,2-Dichloroethane-d4	5.08	65	266480	24.75	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.00%
29) Benzene-d6	5.09	84	918476	24.43	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.72%
33) 1,2-Dichloropropane-d6	6.11	67	287937	25.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.44%
37) Toluene-d8	7.36	98	834545	24.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.12%
38) trans-1,3-Dichloropropene-	7.66	79	120108	24.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.40%
39) 2-Hexanone-d5	8.13	63	142085	57.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	115.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	259030	24.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	334555	23.58	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.32%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	217844	21.029	ug/L	98
3) Chloromethane	1.25	50	250062	23.685	ug/L	97
5) Vinyl chloride	1.32	62	233759	22.611	ug/L	98
6) Bromomethane	1.53	94	111084	22.859	ug/L	99
8) Chloroethane	1.60	64	131756	22.961	ug/L	99
9) Trichlorofluoromethane	1.77	101	317951	22.462	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	187575	22.204	ug/L	99
12) 1,1-Dichloroethene	2.14	96	176418	22.093	ug/L	93
13) Acetone	2.18	43	154137	30.056	ug/L	98
14) Carbon disulfide	2.32	76	689114	22.247	ug/L	100
15) Methyl Acetate	2.45	43	178254	23.094	ug/L	100
16) Methylene chloride	2.53	84	250163	20.237	ug/L	99
17) Methyl tert-butyl Ether	2.80	73	576383	21.998	ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	232533	21.836	ug/L	95
19) 1,1-Dichloroethane	3.23	63	426331	21.961	ug/L	98
21) 2-Butanone	4.01	43	245899	46.490	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	243843	21.788	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	118929	22.138	ug/L	99
25) Chloroform	4.42	83	435648	21.921	ug/L	100
27) 1,2-Dichloroethane	5.17	62	304369	22.054	ug/L	98
30) Cyclohexane	4.72	56	395847	22.896	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	363388	22.365	ug/L	99
32) Carbon tetrachloride	4.87	117	320102	22.123	ug/L	99
34) Benzene	5.14	78	949607	22.612	ug/L	100
35) Trichloroethene	5.96	95	254631	22.458	ug/L	100
36) Methylcyclohexane	6.17	83	408025	22.991	ug/L	99
40) 1,2-Dichloropropane	6.22	63	240844	22.769	ug/L	100
41) Bromodichloromethane	6.55	83	299077	21.970	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	337829	21.542	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	439880	45.057	ug/L	98
44) Toluene	7.43	91	987176	23.006	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	297919	22.162	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	190579	22.488	ug/L	99
47) Tetrachloroethene	8.02	164	219984	22.883	ug/L	98
49) 2-Hexanone	8.18	43	340447	47.901	ug/L	97
50) Dibromochloromethane	8.29	129	225488	22.253	ug/L	97
51) 1,2-Dibromoethane	8.39	107	197539	22.550	ug/L	98
52) Chlorobenzene	8.92	112	649120	22.355	ug/L	99
53) Ethylbenzene	9.05	91	1081296	22.867	ug/L	100
54) m,p-Xylene	9.18	106	417131	23.453	ug/L	97
55) o-xylene	9.58	106	397611	23.638	ug/L	97
56) Styrene	9.60	104	703585	24.122	ug/L	99
57) Isopropylbenzene	9.97	105	1078535	23.768	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	245456	22.577	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	208352	22.868	ug/L	100
62) Bromoform	9.77	173	152645	21.216	ug/L	100
63) 1,3-Dichlorobenzene	11.22	146	550665	21.969	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	560817	21.880	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	503946	21.634	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	45166	21.079	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	428410	21.615	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	355594	21.043	ug/L	98
69) Naphthalene	13.55	128	716390	21.922	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	344153	21.767	ug/L	99

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

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