

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010719\
 Data File : VV009188.D
 Acq On : 07 Jan 2019 17:49
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Quant Time: Jan 08 00:32:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 08 00:28:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	194559	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175399	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89633	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26304	19.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.08%
7) Chloroethane-d5	1.58	69	25387	19.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.68%
10) 1,1-Dichloroethene-d2	2.13	63	96418	21.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.72%
20) 2-Butanone-d5	3.96	46	50099	53.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.02%
24) Chloroform-d	4.40	84	96325	23.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	5.08	65	52855	24.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.48%
29) Benzene-d6	5.10	84	181294	23.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.80%
33) 1,2-Dichloropropane-d6	6.12	67	53942	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.32%
37) Toluene-d8	7.36	98	165293	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.68%
38) trans-1,3-Dichloropropene-	7.67	79	24701	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.96%
39) 2-Hexanone-d5	8.14	63	29502	55.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	63071	25.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	69202	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	73849	23.614	ug/L 99
3) Chloromethane	1.25	50	48400	22.850	ug/L 100
5) Vinyl chloride	1.32	62	54176	23.887	ug/L 100
6) Bromomethane	1.53	94	36109	22.602	ug/L 96
8) Chloroethane	1.60	64	32928	23.559	ug/L 98
9) Trichlorofluoromethane	1.76	101	111592	26.838	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70156	25.334	ug/L 97
12) 1,1-Dichloroethene	2.14	96	58568	24.387	ug/L 97
13) Acetone	2.21	43	60508	45.604	ug/L 99
14) Carbon disulfide	2.32	76	161314	23.507	ug/L 99
15) Methyl Acetate	2.47	43	43478	26.483	ug/L 95
16) Methylene chloride	2.53	84	66372	22.835	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	158819	26.999	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	64146	25.203	ug/L 99
19) 1,1-Dichloroethane	3.23	63	107012	25.320	ug/L 99
21) 2-Butanone	4.04	43	67966	58.564	ug/L # 90
22) cis-1,2-Dichloroethene	3.96	96	69357	25.491	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33580	26.233	ug/L	94
25) Chloroform	4.43	83	115843	25.739	ug/L	99
27) 1,2-Dichloroethane	5.18	62	78271	25.890	ug/L	99
30) Cyclohexane	4.72	56	96819	24.899	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	109402	25.655	ug/L	99
32) Carbon tetrachloride	4.88	117	99535	25.501	ug/L	97
34) Benzene	5.15	78	245017	25.985	ug/L	100
35) Trichloroethene	5.96	95	69521	25.592	ug/L	96
36) Methylcyclohexane	6.18	83	113430	24.991	ug/L	98
40) 1,2-Dichloropropane	6.22	63	59021	25.970	ug/L	99
41) Bromodichloromethane	6.56	83	83473	26.796	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	96892	26.904	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	116754	53.895	ug/L	99
44) Toluene	7.43	91	259066	25.484	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	85055	26.975	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	54796	27.280	ug/L	98
47) Tetrachloroethene	8.02	164	59498	25.281	ug/L	97
49) 2-Hexanone	8.19	43	90312	56.647	ug/L	98
50) Dibromochloromethane	8.29	129	66244	26.845	ug/L	97
51) 1,2-Dibromoethane	8.40	107	55744	26.540	ug/L	95
52) Chlorobenzene	8.93	112	177247	25.411	ug/L	99
53) Ethylbenzene	9.05	91	291018	25.313	ug/L	98
54) m,p-Xylene	9.18	106	113526	25.345	ug/L	99
55) o-xylene	9.59	106	105859	25.559	ug/L	98
56) Styrene	9.60	104	181399	25.967	ug/L	98
57) Isopropylbenzene	9.97	105	299942	26.102	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	76321	28.358	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	59833	27.815	ug/L	99
62) Bromoform	9.78	173	43462	27.456	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	141622	25.076	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	145815	24.769	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	136037	25.287	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	15623	27.973	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.69	180	114742	25.192	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	91057	24.561	ug/L	99
69) Naphthalene	13.55	128	192133	25.444	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	86603	25.454	ug/L	99

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

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