

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010919\
 Data File : VV009207.D
 Acq On : 09 Jan 2019 09:47
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02564

Quant Time: Jan 10 05:42:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 09 00:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	287452	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	259490	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	130520	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62182	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.48%
7) Chloroethane-d5	1.58	69	49872	21.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.32%
10) 1,1-Dichloroethene-d2	2.13	63	161767	22.50	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.00%
20) 2-Butanone-d5	3.96	46	40037	35.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.20%
24) Chloroform-d	4.40	84	144788	21.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.08	65	76400	21.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.00%
29) Benzene-d6	5.10	84	295228	22.69	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.76%
33) 1,2-Dichloropropane-d6	6.12	67	82220	22.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.28%
37) Toluene-d8	7.36	98	273071	22.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.72%
38) trans-1,3-Dichloropropene-	7.66	79	39693	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.72%
39) 2-Hexanone-d5	8.14	63	23961	35.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	70.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	73936	20.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	103830	21.16	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.64%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	103218	22.166	ug/L 100
3) Chloromethane	1.25	50	70011	22.858	ug/L 98
5) Vinyl chloride	1.32	62	74706	23.640	ug/L 99
6) Bromomethane	1.54	94	47175	20.389	ug/L 99
8) Chloroethane	1.60	64	45500	22.467	ug/L 99
9) Trichlorofluoromethane	1.77	101	129075	21.807	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	83498	22.040	ug/L 99
12) 1,1-Dichloroethene	2.14	96	73381	22.174	ug/L 89
13) Acetone	2.22	43	96626	56.768	ug/L 99
14) Carbon disulfide	2.32	76	295331	26.479	ug/L 99
15) Methyl Acetate	2.47	43	50395	24.462	ug/L 96
16) Methylene chloride	2.53	84	95362	22.951	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	186816	21.369	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	84176	22.369	ug/L 99
19) 1,1-Dichloroethane	3.23	63	134364	22.184	ug/L 99
21) 2-Butanone	4.04	43	65223	39.332	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	87845	22.141	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	40734	21.573	ug/L	93
25) Chloroform	4.42	83	141241	21.755	ug/L	99
27) 1,2-Dichloroethane	5.18	62	96101	21.794	ug/L	97
30) Cyclohexane	4.72	56	130736	23.318	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	134940	22.744	ug/L	99
32) Carbon tetrachloride	4.87	117	123315	22.692	ug/L	98
34) Benzene	5.15	78	308819	22.604	ug/L	100
35) Trichloroethene	5.96	95	90107	23.107	ug/L	98
36) Methylcyclohexane	6.18	83	151458	23.003	ug/L	99
40) 1,2-Dichloropropane	6.22	63	73947	22.224	ug/L	99
41) Bromodichloromethane	6.55	83	100369	21.935	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	120438	23.039	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	105751	40.432	ug/L	98
44) Toluene	7.43	91	334580	22.805	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	101421	22.035	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	62424	21.521	ug/L	99
47) Tetrachloroethene	8.02	164	75780	22.531	ug/L	98
49) 2-Hexanone	8.19	43	87843	42.412	ug/L	97
50) Dibromochloromethane	8.29	129	78076	22.071	ug/L	96
51) 1,2-Dibromoethane	8.40	107	63867	21.570	ug/L	99
52) Chlorobenzene	8.92	112	223888	22.196	ug/L	99
53) Ethylbenzene	9.05	91	374327	22.583	ug/L	99
54) m,p-Xylene	9.18	106	143489	22.407	ug/L	98
55) o-xylene	9.59	106	136616	22.427	ug/L	100
56) Styrene	9.60	104	230188	22.716	ug/L	99
57) Isopropylbenzene	9.97	105	372949	22.538	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	76105	21.014	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	57101	19.999	ug/L	97
62) Bromoform	9.78	173	45855	20.748	ug/L	97
63) 1,3-Dichlorobenzene	11.23	146	175874	21.546	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	181053	21.767	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	169054	21.937	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	13420	19.421	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	142179	21.879	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	115200	21.885	ug/L	99
69) Naphthalene	13.55	128	199710	19.706	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	105629	21.979	ug/L	98

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

