

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010419\
 Data File : VV009178.D
 Acq On : 05 Jan 2019 00:28
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00 G/10ML/MSVOA V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

Quant Time: Jan 05 05:05:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 05:00:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	180300	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	171041	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	88976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25692	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
7) Chloroethane-d5	1.58	69	25937	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.72%
10) 1,1-Dichloroethene-d2	2.13	63	89842	21.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.20%
20) 2-Butanone-d5	3.96	46	46716	53.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.70%
24) Chloroform-d	4.40	84	89387	23.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	49421	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.32%
29) Benzene-d6	5.10	84	169406	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	6.12	67	50452	23.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.36%
37) Toluene-d8	7.36	98	158152	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.00%
38) trans-1,3-Dichloropropene-	7.67	79	22581	21.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.12%
39) 2-Hexanone-d5	8.14	63	27956	54.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61905	25.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.12%
61) 1,2-Dichlorobenzene-d4	11.68	152	67985	22.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	66503	22.946	ug/L 99
3) Chloromethane	1.25	50	45688	23.276	ug/L 99
5) Vinyl chloride	1.32	62	48799	23.218	ug/L 99
6) Bromomethane	1.53	94	32917	22.234	ug/L 96
8) Chloroethane	1.60	64	30549	23.585	ug/L 98
9) Trichlorofluoromethane	1.76	101	97439	25.287	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	62650	24.413	ug/L 98
12) 1,1-Dichloroethene	2.14	96	53749	24.151	ug/L 99
13) Acetone	2.21	43	48044	39.073	ug/L 98
14) Carbon disulfide	2.32	76	145989	22.956	ug/L 100
15) Methyl Acetate	2.47	43	41572	27.324	ug/L 100
16) Methylene chloride	2.53	84	62161	23.077	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	151959	27.875	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	58925	24.983	ug/L 98
19) 1,1-Dichloroethane	3.23	63	99598	25.429	ug/L 98
21) 2-Butanone	4.04	43	58044	53.970	ug/L # 88
22) cis-1,2-Dichloroethene	3.96	96	65264	25.884	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31262	26.354	ug/L	95
25) Chloroform	4.43	83	106614	25.561	ug/L	97
27) 1,2-Dichloroethane	5.18	62	73803	26.343	ug/L	100
30) Cyclohexane	4.73	56	87194	22.995	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	99135	23.839	ug/L	99
32) Carbon tetrachloride	4.88	117	90631	23.811	ug/L	100
34) Benzene	5.15	78	220278	23.957	ug/L	100
35) Trichloroethene	5.96	95	64738	24.439	ug/L	97
36) Methylcyclohexane	6.18	83	102712	23.206	ug/L	99
40) 1,2-Dichloropropane	6.22	63	55573	25.076	ug/L	100
41) Bromodichloromethane	6.56	83	77373	25.470	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	86399	24.602	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	113098	53.538	ug/L	99
44) Toluene	7.43	91	240162	24.226	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	80194	26.082	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	51734	26.411	ug/L	96
47) Tetrachloroethene	8.02	164	52944	23.069	ug/L	96
49) 2-Hexanone	8.19	43	80869	52.016	ug/L	99
50) Dibromochloromethane	8.29	129	62651	26.036	ug/L	100
51) 1,2-Dibromoethane	8.40	107	53515	26.128	ug/L	96
52) Chlorobenzene	8.93	112	167665	24.650	ug/L	99
53) Ethylbenzene	9.06	91	278090	24.805	ug/L	99
54) m,p-Xylene	9.18	106	106195	24.313	ug/L	100
55) o-xylene	9.59	106	102613	25.407	ug/L	100
56) Styrene	9.60	104	178206	26.160	ug/L	98
57) Isopropylbenzene	9.98	105	285920	25.516	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	74216	28.279	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60166	28.682	ug/L	99
62) Bromoform	9.78	173	40667	25.880	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	138379	24.683	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	138605	23.718	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	133858	25.066	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	14582	26.301	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	107440	23.763	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	88390	24.018	ug/L	99
69) Naphthalene	13.55	128	186195	24.839	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	83983	24.867	ug/L	97

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

