

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092419\
 Data File : VV012965.D
 Acq On : 24 Sep 2019 18:05
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Quant Time: Sep 25 02:00:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 25 01:56:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	806416	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	790941	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	432146	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	279650	22.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.40%
7) Chloroethane-d5	1.58	69	226801	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.68%
10) 1,1-Dichloroethene-d2	2.13	63	476909	22.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	91.68%
20) 2-Butanone-d5	3.95	46	220566	51.05	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.10%
24) Chloroform-d	4.40	84	511709	23.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	291550	22.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.56%
29) Benzene-d6	5.10	84	1048145	23.74	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.96%
33) 1,2-Dichloropropane-d6	6.12	67	323996	23.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.64%
37) Toluene-d8	7.36	98	997251	24.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.52%
38) trans-1,3-Dichloropropene-	7.66	79	139767	23.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.40%
39) 2-Hexanone-d5	8.13	63	158061	56.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	317659	24.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	393612	23.44	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	256804	28.916	ug/L 98
3) Chloromethane	1.25	50	294637	25.404	ug/L 99
5) Vinyl chloride	1.32	62	303412	26.498	ug/L 100
6) Bromomethane	1.54	94	179706	25.141	ug/L 99
8) Chloroethane	1.60	64	180294	25.624	ug/L 99
9) Trichlorofluoromethane	1.77	101	398194	25.712	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	251697	25.428	ug/L 99
12) 1,1-Dichloroethene	2.14	96	231714	25.419	ug/L 99
13) Acetone	2.21	43	204655	44.569	ug/L 98
14) Carbon disulfide	2.32	76	721975	24.794	ug/L 100
15) Methyl Acetate	2.47	43	176470	24.778	ug/L 100
16) Methylene chloride	2.53	84	299873	24.879	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	694444	25.963	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	274344	25.425	ug/L 100
19) 1,1-Dichloroethane	3.23	63	497727	25.277	ug/L 100
21) 2-Butanone	4.03	43	253242	47.389	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	298458	25.273	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	145330	24.915	ug/L	99
25) Chloroform	4.42	83	508261	24.618	ug/L	100
27) 1,2-Dichloroethane	5.18	62	360520	24.706	ug/L	98
30) Cyclohexane	4.72	56	461378	27.190	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	403831	25.797	ug/L	99
32) Carbon tetrachloride	4.87	117	365440	25.746	ug/L	100
34) Benzene	5.14	78	1150691	26.136	ug/L	100
35) Trichloroethene	5.96	95	308632	25.164	ug/L	99
36) Methylcyclohexane	6.17	83	508866	27.027	ug/L	100
40) 1,2-Dichloropropane	6.22	63	297757	26.007	ug/L	99
41) Bromodichloromethane	6.55	83	368913	25.156	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	448729	26.673	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	498759	53.023	ug/L	99
44) Toluene	7.43	91	1249416	26.907	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	369331	26.085	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	244890	25.195	ug/L	99
47) Tetrachloroethene	8.02	164	261159	26.199	ug/L	99
49) 2-Hexanone	8.18	43	373023	52.608	ug/L	98
50) Dibromochloromethane	8.29	129	280394	25.099	ug/L	100
51) 1,2-Dibromoethane	8.39	107	243659	25.581	ug/L	98
52) Chlorobenzene	8.92	112	818600	25.546	ug/L	98
53) Ethylbenzene	9.05	91	1392950	27.245	ug/L	99
54) m,p-Xylene	9.18	106	535505	27.551	ug/L	99
55) o-xylene	9.59	106	514184	27.765	ug/L	99
56) Styrene	9.60	104	907899	27.863	ug/L	100
57) Isopropylbenzene	9.97	105	1375859	28.269	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	312526	25.993	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	246193	24.808	ug/L	99
62) Bromoform	9.77	173	180380	24.598	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	687656	25.851	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	695109	24.898	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	651167	25.664	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	55123	24.505	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	543133	26.102	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	478868	26.318	ug/L	100
69) Naphthalene	13.55	128	1007442	27.528	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	464585	26.557	ug/L	99

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

