

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100719\
 Data File : VV013050.D
 Acq On : 07 Oct 2019 11:08
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02584

Quant Time: Oct 08 16:45:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 08 14:28:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	850417	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	811003	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	432153	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	282958	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.76%
7) Chloroethane-d5	1.58	69	245350	23.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.00%
10) 1,1-Dichloroethene-d2	2.13	63	512391	23.35	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.40%
20) 2-Butanone-d5	3.93	46	219723	48.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.46%
24) Chloroform-d	4.40	84	596353	25.53	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.12%
26) 1,2-Dichloroethane-d4	5.08	65	329157	24.24	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.96%
29) Benzene-d6	5.09	84	1200953	26.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.08%
33) 1,2-Dichloropropane-d6	6.11	67	377606	26.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.40%
37) Toluene-d8	7.35	98	1118999	27.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.88%
38) trans-1,3-Dichloropropene-	7.66	79	158801	26.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.68%
39) 2-Hexanone-d5	8.13	63	153834	53.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.72%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	340054	25.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	445755	26.55	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	251490	26.853	ug/L	98
3) Chloromethane	1.25	50	292805	23.940	ug/L	100
5) Vinyl chloride	1.32	62	308840	25.577	ug/L	99
6) Bromomethane	1.53	94	165971	22.018	ug/L	99
8) Chloroethane	1.60	64	190705	25.701	ug/L	99
9) Trichlorofluoromethane	1.77	101	422110	25.846	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	261277	25.031	ug/L	98
12) 1,1-Dichloroethene	2.14	96	245102	25.496	ug/L	98
13) Acetone	2.19	43	221130	45.665	ug/L	100
14) Carbon disulfide	2.32	76	739140	24.070	ug/L	100
15) Methyl Acetate	2.46	43	147555	19.646	ug/L	98
16) Methylene chloride	2.53	84	301712	23.736	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	676456	23.982	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	283838	24.944	ug/L	99
19) 1,1-Dichloroethane	3.23	63	521458	25.112	ug/L	100
21) 2-Butanone	4.02	43	212669	37.738	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	320906	25.768	ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	148581	24.154	ug/L	99
25) Chloroform	4.42	83	533343	24.496	ug/L	100
27) 1,2-Dichloroethane	5.17	62	357607	23.239	ug/L	99
30) Cyclohexane	4.72	56	473213	27.197	ug/L	98
31) 1,1,1-Trichloroethane	4.65	97	436878	27.218	ug/L	98
32) Carbon tetrachloride	4.87	117	393928	27.067	ug/L	100
34) Benzene	5.14	78	1190634	26.374	ug/L	100
35) Trichloroethene	5.96	95	324205	25.780	ug/L	100
36) Methylcyclohexane	6.17	83	520725	26.973	ug/L	100
40) 1,2-Dichloropropane	6.22	63	299781	25.536	ug/L	100
41) Bromodichloromethane	6.55	83	384524	25.572	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	466822	27.062	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	428124	44.388	ug/L	99
44) Toluene	7.43	91	1295732	27.214	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	380453	26.205	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	242241	24.306	ug/L	99
47) Tetrachloroethene	8.02	164	266238	26.048	ug/L	99
49) 2-Hexanone	8.18	43	317423	43.659	ug/L	97
50) Dibromochloromethane	8.29	129	289705	25.291	ug/L	100
51) 1,2-Dibromoethane	8.39	107	238211	24.390	ug/L	100
52) Chlorobenzene	8.92	112	850082	25.872	ug/L	100
53) Ethylbenzene	9.05	91	1443595	27.537	ug/L	99
54) m,p-Xylene	9.18	106	558067	28.002	ug/L	97
55) o-xylene	9.59	106	536390	28.247	ug/L	97
56) Styrene	9.60	104	931344	27.875	ug/L	99
57) Isopropylbenzene	9.97	105	1425572	28.566	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	289005	23.442	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	225920	22.202	ug/L	99
62) Bromoform	9.77	173	180797	24.654	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	701372	26.367	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	709946	25.429	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	649289	25.590	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	46761	20.787	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	554319	26.640	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	469810	25.820	ug/L	100
69) Naphthalene	13.55	128	889491	24.305	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	437447	25.005	ug/L	99

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

