

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010694.D
 Acq On : 07 May 2019 16:16
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02586

Quant Time: May 08 02:57:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:50:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	109804	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	111994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	52906	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43010	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.84%
7) Chloroethane-d5	1.56	69	35357	25.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.76%
10) 1,1-Dichloroethene-d2	2.12	63	92914	25.11	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.44%
20) 2-Butanone-d5	3.93	46	23071	45.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.14%
24) Chloroform-d	4.40	84	67906	22.68	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.72%
26) 1,2-Dichloroethane-d4	5.08	65	44127	23.60	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.40%
29) Benzene-d6	5.09	84	143408	24.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.32%
33) 1,2-Dichloropropane-d6	6.12	67	44079	23.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.88%
37) Toluene-d8	7.36	98	133901	23.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.88%
38) trans-1,3-Dichloropropene-	7.66	79	19806	23.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.52%
39) 2-Hexanone-d5	8.13	63	17888	45.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	41283	23.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	49276	24.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	38857	25.551	ug/L 97
3) Chloromethane	1.25	50	44531	24.071	ug/L 99
5) Vinyl chloride	1.32	62	53761	25.028	ug/L 99
6) Bromomethane	1.51	94	24963	23.963	ug/L 95
8) Chloroethane	1.58	64	33835	25.292	ug/L 98
9) Trichlorofluoromethane	1.76	101	83041	25.681	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	47187	25.560	ug/L 100
12) 1,1-Dichloroethene	2.13	96	44774	25.901	ug/L 96
13) Acetone	2.19	43	43285	54.622	ug/L 98
14) Carbon disulfide	2.31	76	104304	24.553	ug/L 99
15) Methyl Acetate	2.46	43	19991	21.117	ug/L 98
16) Methylene chloride	2.53	84	38254	22.532	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	102593	23.701	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	37919	24.267	ug/L 99
19) 1,1-Dichloroethane	3.22	63	73759	24.451	ug/L 98
21) 2-Butanone	4.01	43	36009	47.945	ug/L 99
22) cis-1,2-Dichloroethene	3.96	96	42403	23.755	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	19170	23.891	ug/L	95
25) Chloroform	4.42	83	80309	24.166	ug/L	98
27) 1,2-Dichloroethane	5.18	62	58540	24.100	ug/L	98
30) Cyclohexane	4.72	56	70832	25.217	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	68987	24.705	ug/L	98
32) Carbon tetrachloride	4.87	117	62118	25.538	ug/L	100
34) Benzene	5.14	78	162160	24.665	ug/L	100
35) Trichloroethene	5.96	95	45660	24.794	ug/L	98
36) Methylcyclohexane	6.17	83	76642	25.967	ug/L	98
40) 1,2-Dichloropropane	6.22	63	41557	23.761	ug/L	98
41) Bromodichloromethane	6.55	83	58011	24.140	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	70018	25.311	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	66009	44.838	ug/L	98
44) Toluene	7.43	91	188781	25.282	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	57474	24.674	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	33434	23.270	ug/L	96
47) Tetrachloroethene	8.02	164	33919	25.432	ug/L	91
49) 2-Hexanone	8.18	43	54039	48.280	ug/L	96
50) Dibromochloromethane	8.29	129	40027	24.226	ug/L	99
51) 1,2-Dibromoethane	8.40	107	33941	24.459	ug/L	98
52) Chlorobenzene	8.92	112	122703	25.153	ug/L	99
53) Ethylbenzene	9.05	91	221592	25.594	ug/L	99
54) m,p-Xylene	9.18	106	81833	25.299	ug/L	96
55) o-xylene	9.59	106	82480	25.708	ug/L	99
56) Styrene	9.60	104	139203	25.652	ug/L	98
57) Isopropylbenzene	9.97	105	221036	25.821	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	44721	23.758	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	33925	23.092	ug/L	98
62) Bromoform	9.77	173	21461	23.822	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	94844	25.754	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	93970	24.980	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	87951	24.589	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	7432	22.392	ug/L	97
67) 1,3,5-Trichlorobenzene	12.69	180	67918	25.602	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	53646	26.135	ug/L	99
69) Naphthalene	13.55	128	115379	26.261	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	51588	26.793	ug/L	99

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

