

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050919\
 Data File : VV010764.D
 Acq On : 09 May 2019 12:08
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02591

Quant Time: May 09 14:20:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 04:43:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	121901	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	119210	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57326	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39413	20.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.24%
7) Chloroethane-d5	1.57	69	33672	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.44%
10) 1,1-Dichloroethene-d2	2.12	63	85844	20.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.60%
20) 2-Butanone-d5	3.93	46	22947	40.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.76%
24) Chloroform-d	4.40	84	71465	21.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.08	65	44549	21.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.84%
29) Benzene-d6	5.09	84	144828	23.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.32%
33) 1,2-Dichloropropane-d6	6.11	67	45449	22.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.92%
37) Toluene-d8	7.36	98	139079	23.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.60%
38) trans-1,3-Dichloropropene-	7.66	79	20138	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.36%
39) 2-Hexanone-d5	8.13	63	17263	41.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	39548	21.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	48888	22.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	39404	23.339	ug/L	98
3) Chloromethane	1.25	50	45969	22.383	ug/L	98
5) Vinyl chloride	1.32	62	52033	21.819	ug/L	99
6) Bromomethane	1.51	94	27491	23.771	ug/L	99
8) Chloroethane	1.59	64	32128	21.633	ug/L	95
9) Trichlorofluoromethane	1.76	101	78627	21.903	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46638	22.756	ug/L	99
12) 1,1-Dichloroethene	2.13	96	42552	22.173	ug/L	91
13) Acetone	2.19	43	31218	35.485	ug/L	100
14) Carbon disulfide	2.31	76	110576	23.447	ug/L	97
15) Methyl Acetate	2.46	43	21024	20.004	ug/L	98
16) Methylene chloride	2.53	84	43251	22.947	ug/L	97
17) Methyl tert-butyl Ether	2.80	73	110144	22.921	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	40617	23.414	ug/L	97
19) 1,1-Dichloroethane	3.22	63	79531	23.748	ug/L	98
21) 2-Butanone	4.01	43	33029	39.613	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	46576	23.504	ug/L	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	20311	22.801	ug/L	92
25) Chloroform	4.42	83	89661	24.303	ug/L	99
27) 1,2-Dichloroethane	5.17	62	62037	23.005	ug/L	100
30) Cyclohexane	4.72	56	74667	24.974	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	72167	24.279	ug/L	99
32) Carbon tetrachloride	4.87	117	64744	25.006	ug/L	98
34) Benzene	5.14	78	173870	24.845	ug/L	100
35) Trichloroethene	5.96	95	49210	25.104	ug/L	98
36) Methylcyclohexane	6.17	83	77597	24.699	ug/L	98
40) 1,2-Dichloropropane	6.22	63	45688	24.542	ug/L #	93
41) Bromodichloromethane	6.55	83	60343	23.590	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	74051	25.149	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	66551	42.469	ug/L	97
44) Toluene	7.43	91	199695	25.125	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	59912	24.163	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	35217	23.027	ug/L	97
47) Tetrachloroethene	8.02	164	34704	24.446	ug/L	96
49) 2-Hexanone	8.18	43	49377	41.444	ug/L	95
50) Dibromochloromethane	8.29	129	41188	23.420	ug/L	100
51) 1,2-Dibromoethane	8.39	107	33868	22.929	ug/L	98
52) Chlorobenzene	8.92	112	126408	24.344	ug/L	99
53) Ethylbenzene	9.05	91	226733	24.603	ug/L	100
54) m,p-Xylene	9.18	106	83542	24.264	ug/L	99
55) o-xylene	9.59	106	85237	24.959	ug/L	94
56) Styrene	9.60	104	140215	24.274	ug/L	98
57) Isopropylbenzene	9.97	105	228204	25.045	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	44802	22.360	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	34228	21.888	ug/L	99
62) Bromoform	9.78	173	20519	21.020	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	97232	24.366	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	97458	23.910	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	91849	23.699	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	6925	19.256	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	69301	24.109	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	55039	24.747	ug/L	98
69) Naphthalene	13.55	128	124678	26.189	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	51609	24.737	ug/L	100

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

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