

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV050619\
 Data File : VV010673.D
 Acq On : 06 May 2019 12:03
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 03:59:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 06 01:43:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	200689	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	194906	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	100958	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47232	18.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.36%
7) Chloroethane-d5	1.57	69	32662	18.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.44%
10) 1,1-Dichloroethene-d2	2.12	63	85985	19.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.20%
20) 2-Butanone-d5	3.93	46	42672	55.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.40%
24) Chloroform-d	4.40	84	127533	24.60	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.40%
26) 1,2-Dichloroethane-d4	5.08	65	70886	23.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.44%
29) Benzene-d6	5.10	84	256649	25.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.64%
33) 1,2-Dichloropropane-d6	6.12	67	77942	25.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.76%
37) Toluene-d8	7.36	98	254970	26.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.08%
38) trans-1,3-Dichloropropene-	7.66	79	36057	28.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.76%
39) 2-Hexanone-d5	8.13	63	33745	61.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	75482	27.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.28%
61) 1,2-Dichlorobenzene-d4	11.67	152	98938	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	72371	24.392	ug/L 100
3) Chloromethane	1.25	50	57248	20.982	ug/L 99
5) Vinyl chloride	1.32	62	48890	19.871	ug/L 99
6) Bromomethane	1.51	94	23662	18.782	ug/L 99
8) Chloroethane	1.59	64	26389	20.326	ug/L 97
9) Trichlorofluoromethane	1.76	101	91532	21.016	ug/L 100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46207	20.953	ug/L 99
12) 1,1-Dichloroethene	2.14	96	39791	20.638	ug/L 88
13) Acetone	2.19	43	23724	35.798	ug/L 97
14) Carbon disulfide	2.31	76	143489	22.477	ug/L 100
15) Methyl Acetate	2.46	43	31215	24.095	ug/L 97
16) Methylene chloride	2.53	84	63597	22.720	ug/L 98
17) Methyl tert-butyl Ether	2.80	73	154397	25.998	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	60624	24.759	ug/L 95
19) 1,1-Dichloroethane	3.23	63	108966	24.401	ug/L 98
21) 2-Butanone	4.02	43	44051	50.975	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	69615	26.046	ug/L 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	32328	25.583	ug/L	89
25) Chloroform	4.42	83	122007	24.649	ug/L	98
27) 1,2-Dichloroethane	5.18	62	77859	24.285	ug/L	95
30) Cyclohexane	4.72	56	92132	26.876	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	103643	27.221	ug/L	97
32) Carbon tetrachloride	4.87	117	93355	27.391	ug/L	98
34) Benzene	5.14	78	241644	25.935	ug/L	100
35) Trichloroethene	5.96	95	70145	26.394	ug/L	99
36) Methylcyclohexane	6.17	83	100804	26.547	ug/L	96
40) 1,2-Dichloropropane	6.22	63	62224	25.677	ug/L	99
41) Bromodichloromethane	6.55	83	86682	27.014	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	101013	28.497	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	91150	53.420	ug/L	94
44) Toluene	7.43	91	279257	27.157	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	82872	27.779	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	56097	27.722	ug/L	97
47) Tetrachloroethene	8.02	164	56352	27.202	ug/L	97
49) 2-Hexanone	8.18	43	65841	51.907	ug/L	95
50) Dibromochloromethane	8.29	129	67614	28.175	ug/L	99
51) 1,2-Dibromoethane	8.40	107	54000	27.666	ug/L	97
52) Chlorobenzene	8.93	112	190761	26.581	ug/L	99
53) Ethylbenzene	9.05	91	318333	27.372	ug/L	100
54) m,p-Xylene	9.18	106	120096	27.252	ug/L	100
55) o-xylene	9.59	106	119641	27.789	ug/L	100
56) Styrene	9.60	104	204368	27.969	ug/L	100
57) Isopropylbenzene	9.97	105	325448	28.806	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	68800	27.255	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	52278	27.528	ug/L	99
62) Bromoform	9.77	173	40211	28.399	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	155178	26.935	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	153988	25.596	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	148213	26.058	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	11354	27.143	ug/L	87
67) 1,3,5-Trichlorobenzene	12.69	180	119270	26.964	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	94951	28.134	ug/L	99
69) Naphthalene	13.55	128	190345	29.497	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	89864	28.229	ug/L	96

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

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