

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV020720\
 Data File : VV014528.D
 Acq On : 06 Feb 2020 20:32
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV66

Quant Time: Feb 07 03:52:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM020720S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 07 03:49:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	318981	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	300678	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	151248	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72681	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.48%
7) Chloroethane-d5	1.58	69	53296	24.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.40%
10) 1,1-Dichloroethene-d2	2.13	63	117029	24.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.72%
20) 2-Butanone-d5	3.93	46	78217	55.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.38%
24) Chloroform-d	4.40	84	172267	23.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.92%
26) 1,2-Dichloroethane-d4	5.08	65	113080	25.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.64%
29) Benzene-d6	5.10	84	408188	25.56	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.24%
33) 1,2-Dichloropropane-d6	6.11	67	126020	25.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.60%
37) Toluene-d8	7.35	98	381186	25.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.36%
38) trans-1,3-Dichloropropene-	7.66	79	61985	25.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.00%
39) 2-Hexanone-d5	8.13	63	65412	57.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.28%
48) 1,1,2,2-Tetrachloroethane-	10.25	84	120627	26.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	140893	25.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.88%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	131421	23.500	ug/L 100
3) Chloromethane	1.25	50	90691	18.676	ug/L 100
5) Vinyl chloride	1.32	62	82742	21.651	ug/L 99
6) Bromomethane	1.53	94	41732	21.702	ug/L 96
8) Chloroethane	1.60	64	43346	23.620	ug/L 96
9) Trichlorofluoromethane	1.77	101	129318	23.378	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	61622	22.677	ug/L 99
12) 1,1-Dichloroethene	2.14	96	54755	22.844	ug/L 99
13) Acetone	2.19	43	71245	48.277	ug/L 94
14) Carbon disulfide	2.32	76	315942	22.811	ug/L 100
15) Methyl Acetate	2.46	43	66218	25.861	ug/L 98
16) Methylene chloride	2.54	84	120402	21.176	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	297027	24.913	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	109691	23.635	ug/L 99
19) 1,1-Dichloroethane	3.23	63	189838	24.272	ug/L 99
21) 2-Butanone	4.02	43	90803	51.187	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	123844	24.558	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	57531	24.828	ug/L	98
25) Chloroform	4.42	83	223132	25.819	ug/L	99
27) 1,2-Dichloroethane	5.18	62	135712	24.645	ug/L	98
30) Cyclohexane	4.72	56	171543	22.809	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	163613	24.441	ug/L	99
32) Carbon tetrachloride	4.87	117	142359	24.031	ug/L	99
34) Benzene	5.14	78	442748	25.136	ug/L	100
35) Trichloroethene	5.96	95	115461	24.426	ug/L	99
36) Methylcyclohexane	6.17	83	191428	23.514	ug/L	99
40) 1,2-Dichloropropane	6.22	63	111802	25.124	ug/L	100
41) Bromodichloromethane	6.55	83	147569	24.906	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	183930	24.855	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	183343	53.880	ug/L	100
44) Toluene	7.43	91	469574	24.672	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	155867	25.143	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	92690	25.183	ug/L	99
47) Tetrachloroethene	8.01	164	89390	24.592	ug/L	99
49) 2-Hexanone	8.18	43	137689	54.789	ug/L	98
50) Dibromochloromethane	8.29	129	111061	25.558	ug/L	97
51) 1,2-Dibromoethane	8.39	107	97182	25.766	ug/L	99
52) Chlorobenzene	8.92	112	312986	24.743	ug/L	100
53) Ethylbenzene	9.05	91	532259	24.920	ug/L	99
54) m,p-Xylene	9.18	106	203834	24.885	ug/L	99
55) o-xylene	9.58	106	197811	25.004	ug/L	96
56) Styrene	9.60	104	340683	25.300	ug/L	97
57) Isopropylbenzene	9.97	105	513296	24.627	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	125930	26.316	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	93918	26.063	ug/L	100
62) Bromoform	9.77	173	65027	25.519	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	247368	24.770	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	251785	24.857	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	231984	25.042	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	23088	26.537	ug/L	99
67) 1,3,5-Trichlorobenzene	12.68	180	183046	24.978	ug/L	99
68) 1,2,4-trichlorobenzene	13.30	180	166262	25.773	ug/L	97
69) Naphthalene	13.54	128	402282	27.036	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	152462	25.927	ug/L	99

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

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