

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052019\
 Data File : VV010959.D
 Acq On : 20 May 2019 14:49
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV98

Quant Time: May 21 04:01:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 20 14:36:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	151995	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147031	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72483	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	39274	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.68%
7) Chloroethane-d5	1.56	69	25901	22.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.32%
10) 1,1-Dichloroethene-d2	2.12	63	75647	22.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.80%
20) 2-Butanone-d5	3.93	46	25036	41.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.74%
24) Chloroform-d	4.40	84	81321	20.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.60%
26) 1,2-Dichloroethane-d4	5.08	65	49015	21.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	84.52%
29) Benzene-d6	5.09	84	188541	23.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.96%
33) 1,2-Dichloropropane-d6	6.11	67	57870	22.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.76%
37) Toluene-d8	7.36	98	179158	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.04%
38) trans-1,3-Dichloropropene-	7.66	79	23469	22.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.64%
39) 2-Hexanone-d5	8.13	63	19875	41.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.56%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	53832	21.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.56%
61) 1,2-Dichlorobenzene-d4	11.67	152	64827	22.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	54513	24.293	ug/L 99
3) Chloromethane	1.25	50	46569	22.911	ug/L 99
5) Vinyl chloride	1.32	62	48670	23.841	ug/L 99
6) Bromomethane	1.51	94	14068	19.764	ug/L 97
8) Chloroethane	1.58	64	24356	23.843	ug/L 97
9) Trichlorofluoromethane	1.76	101	78756	24.205	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	45797	24.683	ug/L 98
12) 1,1-Dichloroethene	2.13	96	38634	24.087	ug/L 97
13) Acetone	2.19	43	24188	41.950	ug/L 95
14) Carbon disulfide	2.31	76	104267	23.213	ug/L 99
15) Methyl Acetate	2.45	43	26189	23.640	ug/L 98
16) Methylene chloride	2.52	84	58863	22.566	ug/L 95
17) Methyl tert-butyl Ether	2.80	73	129146	22.756	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	54160	24.477	ug/L 97
19) 1,1-Dichloroethane	3.22	63	97216	24.129	ug/L 98
21) 2-Butanone	4.02	43	35591	45.106	ug/L 100
22) cis-1,2-Dichloroethene	3.95	96	59504	24.153	ug/L 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	27023	23.145	ug/L	97
25) Chloroform	4.42	83	111361	24.427	ug/L	99
27) 1,2-Dichloroethane	5.17	62	63335	22.599	ug/L	98
30) Cyclohexane	4.72	56	81219	26.584	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	86629	26.192	ug/L	100
32) Carbon tetrachloride	4.87	117	78414	25.998	ug/L	97
34) Benzene	5.14	78	216515	25.545	ug/L	100
35) Trichloroethene	5.96	95	59479	25.398	ug/L	99
36) Methylcyclohexane	6.17	83	90294	26.081	ug/L	98
40) 1,2-Dichloropropane	6.22	63	56626	25.421	ug/L	98
41) Bromodichloromethane	6.55	83	71439	23.995	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	83369	25.145	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	72157	45.189	ug/L	98
44) Toluene	7.43	91	248425	26.412	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	68881	24.663	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	46428	24.460	ug/L	96
47) Tetrachloroethene	8.02	164	45618	24.955	ug/L	95
49) 2-Hexanone	8.18	43	53946	46.272	ug/L	99
50) Dibromochloromethane	8.29	129	53136	23.784	ug/L	99
51) 1,2-Dibromoethane	8.39	107	44056	24.001	ug/L #	94
52) Chlorobenzene	8.92	112	162026	25.132	ug/L	99
53) Ethylbenzene	9.05	91	271645	26.505	ug/L	99
54) m,p-Xylene	9.18	106	106901	26.762	ug/L	99
55) o-xylene	9.59	106	102443	26.881	ug/L	100
56) Styrene	9.60	104	176403	26.858	ug/L	95
57) Isopropylbenzene	9.97	105	274349	27.288	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	56883	22.760	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	41848	22.794	ug/L	100
62) Bromoform	9.77	173	29448	22.886	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	123633	25.008	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	127973	25.135	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	121266	25.298	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9119	23.947	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	94238	25.985	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	75142	26.215	ug/L	98
69) Naphthalene	13.55	128	150952	26.271	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	72195	25.799	ug/L	99

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

