

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050219\
 Data File : VV010629.D
 Acq On : 02 May 2019 14:44
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Quant Time: May 03 02:13:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 02 14:03:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	161486	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165814	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82102	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	43318	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.76%
7) Chloroethane-d5	1.57	69	31490	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.00%
10) 1,1-Dichloroethene-d2	2.12	63	77246	21.54	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.16%
20) 2-Butanone-d5	3.93	46	35696	57.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.78%
24) Chloroform-d	4.40	84	102649	24.61	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.44%
26) 1,2-Dichloroethane-d4	5.08	65	60377	25.26	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.04%
29) Benzene-d6	5.10	84	205635	23.93	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.72%
33) 1,2-Dichloropropane-d6	6.12	67	63959	24.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.20%
37) Toluene-d8	7.36	98	204474	24.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.04%
38) trans-1,3-Dichloropropene-	7.66	79	27574	25.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.36%
39) 2-Hexanone-d5	8.13	63	26309	56.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.28%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61784	26.04	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	76103	24.09	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	50965	21.347	ug/L 100
3) Chloromethane	1.25	50	46136	21.014	ug/L 98
5) Vinyl chloride	1.32	62	41602	21.013	ug/L 99
6) Bromomethane	1.51	94	22941	22.630	ug/L 99
8) Chloroethane	1.59	64	23656	22.644	ug/L 96
9) Trichlorofluoromethane	1.76	101	72951	20.816	ug/L 99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	37189	20.958	ug/L 97
12) 1,1-Dichloroethene	2.13	96	32651	21.046	ug/L 86
13) Acetone	2.19	43	22961	43.057	ug/L 99
14) Carbon disulfide	2.31	76	106680	20.768	ug/L 99
15) Methyl Acetate	2.46	43	26348	25.276	ug/L 97
16) Methylene chloride	2.53	84	50171	22.275	ug/L 99
17) Methyl tert-butyl Ether	2.80	73	120578	25.233	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	42714	21.679	ug/L 98
19) 1,1-Dichloroethane	3.23	63	82067	22.839	ug/L 97
21) 2-Butanone	4.02	43	36473	52.452	ug/L 90
22) cis-1,2-Dichloroethene	3.96	96	52251	24.295	ug/L 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	24333	23.930	ug/L	96
25) Chloroform	4.42	83	94374	23.695	ug/L	98
27) 1,2-Dichloroethane	5.18	62	61780	23.948	ug/L	100
30) Cyclohexane	4.72	56	63258	21.691	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	73424	22.668	ug/L	99
32) Carbon tetrachloride	4.87	117	64458	22.230	ug/L	100
34) Benzene	5.14	78	182231	22.990	ug/L	100
35) Trichloroethene	5.96	95	51230	22.659	ug/L	98
36) Methylcyclohexane	6.17	83	68842	21.310	ug/L	98
40) 1,2-Dichloropropane	6.22	63	48213	23.386	ug/L	99
41) Bromodichloromethane	6.55	83	65793	24.101	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	74163	24.593	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	77692	53.521	ug/L	99
44) Toluene	7.43	91	205391	23.478	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	64279	25.327	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	42595	24.743	ug/L	99
47) Tetrachloroethene	8.02	164	37745	21.417	ug/L	98
49) 2-Hexanone	8.18	43	53727	49.788	ug/L	95
50) Dibromochloromethane	8.29	129	50505	24.738	ug/L	98
51) 1,2-Dibromoethane	8.40	107	41445	24.959	ug/L	99
52) Chlorobenzene	8.92	112	142923	23.409	ug/L	99
53) Ethylbenzene	9.05	91	226516	22.894	ug/L	99
54) m,p-Xylene	9.18	106	88848	23.699	ug/L	99
55) o-xylene	9.59	106	88084	24.049	ug/L	99
56) Styrene	9.60	104	153945	24.765	ug/L	100
57) Isopropylbenzene	9.97	105	227981	23.720	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	55627	25.903	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	41618	25.760	ug/L	99
62) Bromoform	9.77	173	28845	25.050	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	110596	23.606	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	114351	23.373	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	109353	23.642	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	9187	27.006	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	82418	22.912	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	66436	24.206	ug/L	99
69) Naphthalene	13.55	128	140951	26.859	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	64849	25.050	ug/L	98

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

