

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000650.D
 Acq On : 12 Nov 2019 12:34
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV77

Quant Time: Nov 13 02:52:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 02:50:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	370629	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	344736	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	170928	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	129378	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.88%
7) Chloroethane-d5	2.76	69	116355	25.02	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	100.08%
10) 1,1-Dichloroethene-d2	3.86	63	239153	24.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.96%
20) 2-Butanone-d5	6.90	46	94716	43.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.72%
24) Chloroform-d	7.49	84	242247	24.91	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.64%
26) 1,2-Dichloroethane-d4	8.15	65	134351	23.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.32%
29) Benzene-d6	8.12	84	491124	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	9.13	67	151539	24.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.60%
37) Toluene-d8	10.18	98	457894	24.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.92%
38) trans-1,3-Dichloropropene-	10.44	79	72332	24.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.84%
39) 2-Hexanone-d5	10.79	63	77453	45.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.34%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	141854	23.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.96%
61) 1,2-Dichlorobenzene-d4	13.72	152	159577	23.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	119870	24.474	ug/L 100
3) Chloromethane	2.12	50	153701	25.034	ug/L 94
5) Vinyl chloride	2.25	62	154544	25.222	ug/L 97
6) Bromomethane	2.66	94	86609	25.884	ug/L 97
8) Chloroethane	2.80	64	96403	25.090	ug/L 95
9) Trichlorofluoromethane	3.13	101	217915	25.109	ug/L 98
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	126654	25.728	ug/L 99
12) 1,1-Dichloroethene	3.88	96	121388	25.262	ug/L 86
13) Acetone	3.95	43	64322	40.705	ug/L 100
14) Carbon disulfide	4.19	76	391599	26.412	ug/L 100
15) Methyl Acetate	4.48	43	81165	22.421	ug/L 99
16) Methylene chloride	4.72	84	143769	23.499	ug/L 98
17) Methyl tert-butyl Ether	5.22	73	369420	25.269	ug/L 99
18) trans-1,2-Dichloroethene	5.22	96	138246	25.762	ug/L 97
19) 1,1-Dichloroethane	6.03	63	245097	25.952	ug/L 94
21) 2-Butanone	6.99	43	116256	41.761	ug/L 98
22) cis-1,2-Dichloroethene	6.99	96	153230	25.815	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	67119	25.896	ug/L	88
25) Chloroform	7.52	83	257430	25.291	ug/L	100
27) 1,2-Dichloroethane	8.24	62	174743	25.680	ug/L	100
30) Cyclohexane	7.79	56	236422	25.132	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	213248	25.109	ug/L	99
32) Carbon tetrachloride	7.90	117	193707	26.168	ug/L	100
34) Benzene	8.17	78	578908	25.685	ug/L	100
35) Trichloroethene	8.94	95	148632	25.150	ug/L	98
36) Methylcyclohexane	9.19	83	252478	24.961	ug/L	99
40) 1,2-Dichloropropane	9.22	63	144807	25.353	ug/L	99
41) Bromodichloromethane	9.50	83	188266	25.617	ug/L	95
42) cis-1,3-Dichloropropene	9.93	75	240103	26.094	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	251217	45.988	ug/L	99
44) Toluene	10.24	91	613465	25.179	ug/L	96
45) trans-1,3-Dichloropropene	10.47	75	201200	25.452	ug/L	94
46) 1,1,2-Trichloroethane	10.64	97	117416	25.062	ug/L	99
47) Tetrachloroethene	10.72	164	112167	25.418	ug/L	98
49) 2-Hexanone	10.83	43	185244	43.539	ug/L	98
50) Dibromochloromethane	10.99	129	135383	25.576	ug/L	89
51) 1,2-Dibromoethane	11.09	107	113086	24.804	ug/L	97
52) Chlorobenzene	11.52	112	391315	25.308	ug/L	98
53) Ethylbenzene	11.59	91	709907	25.754	ug/L	98
54) m,p-Xylene	11.70	106	268677	25.757	ug/L	96
55) o-xylene	12.03	106	263678	25.753	ug/L	99
56) Styrene	12.04	104	456327	26.824	ug/L	100
57) Isopropylbenzene	12.33	105	690983	25.939	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	146053	24.986	ug/L	99
59) 1,2,3-Trichloropropane	12.63	75	116140	24.434	ug/L	97
62) Bromoform	12.20	173	81158	24.999	ug/L	98
63) 1,3-Dichlorobenzene	13.36	146	303522	24.896	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	302413	24.815	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	282289	25.001	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.36	75	25222	23.510	ug/L #	84
67) 1,3,5-Trichlorobenzene	14.50	180	210419	24.756	ug/L	99
68) 1,2,4-trichlorobenzene	15.00	180	186766	24.587	ug/L	97
69) Naphthalene	15.23	128	443215	23.413	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	173322	24.538	ug/L	98

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

