

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003850.D
 Acq On : 29 Dec 2020 13:37
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VICV201

Quant Time: Dec 30 07:15:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 13:04:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	332865	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	312677	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	177730	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	131362	23.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.32%
7) Chloroethane-d5	2.77	69	109284	24.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.12%
11) 1,1-Dichloroethene-d2	3.86	63	239851	24.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.72%
21) 2-Butanone-d5	6.89	46	111204	51.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.86%
24) Chloroform-d	7.48	84	242030	26.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.28%
26) 1,2-Dichloroethane-d4	8.14	65	154813	26.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.76%
32) Benzene-d6	8.11	84	460411	26.49	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.96%
36) 1,2-Dichloropropane-d6	9.12	67	138437	27.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.00%
41) Toluene-d8	10.18	98	443487	26.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.80%
43) trans-1,3-Dichloropropene-	10.43	79	77899	26.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	107.72%
47) 2-Hexanone-d5	10.78	63	85545	53.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.60%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	139627	27.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	110.80%
66) 1,2-Dichlorobenzene-d4	13.72	152	180720	27.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.28%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	119155	21.368	ug/L 100
3) Chloromethane	2.12	50	138146	22.122	ug/L 99
5) Vinyl chloride	2.25	62	154316	23.290	ug/L 99
6) Bromomethane	2.66	94	99598	24.587	ug/L 94
8) Chloroethane	2.80	64	96628	24.165	ug/L 100
9) Trichlorofluoromethane	3.13	101	213123	24.077	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	114074	24.543	ug/L 99
12) 1,1-Dichloroethene	3.87	96	108284	24.817	ug/L 94
13) Acetone	3.95	43	75323	47.151	ug/L 99
14) Carbon disulfide	4.20	76	371170	25.274	ug/L 97
15) Methyl Acetate	4.48	43	90630	24.658	ug/L 99
16) Methylene chloride	4.72	84	122621	22.969	ug/L 96
17) trans-1,2-Dichloroethene	5.22	96	118082	24.733	ug/L 99
18) Methyl tert-butyl Ether	5.23	73	350735	24.871	ug/L 99
19) 1,1-Dichloroethane	6.02	63	212948	24.686	ug/L 95
20) cis-1,2-Dichloroethene	6.99	96	129146	25.018	ug/L 100
22) 2-Butanone	6.98	43	119161	48.127	ug/L 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	63855	25.016	ug/L	98
25) Chloroform	7.51	83	223843	24.754	ug/L	95
27) 1,2-Dichloroethane	8.24	62	181008	25.756	ug/L	99
29) Cyclohexane	7.78	56	209915	25.618	ug/L	100
30) 1,1,1-Trichloroethane	7.70	97	211634	25.146	ug/L	99
31) Carbon tetrachloride	7.90	117	196152	25.202	ug/L	99
33) Benzene	8.16	78	490556	25.666	ug/L	100
34) Trichloroethene	8.93	95	133236	25.224	ug/L	95
35) Methylcyclohexane	9.18	83	222208	25.850	ug/L	98
37) 1,2-Dichloropropane	9.22	63	124112	25.506	ug/L	100
38) Bromodichloromethane	9.50	83	175866	25.653	ug/L	99
39) cis-1,3-Dichloropropene	9.92	75	213026	25.627	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	262909	50.610	ug/L	100
42) Toluene	10.24	91	540476	25.563	ug/L	100
44) trans-1,3-Dichloropropene	10.47	75	205544	25.614	ug/L	100
45) 1,1,2-Trichloroethane	10.64	97	105022	25.129	ug/L	98
46) Tetrachloroethene	10.72	164	113124	24.759	ug/L	98
48) 2-Hexanone	10.83	43	189988	50.195	ug/L	98
49) Dibromochloromethane	10.98	129	136813	25.857	ug/L	100
50) 1,2-Dibromoethane	11.09	107	104674	25.364	ug/L	98
51) Chlorobenzene	11.51	112	349259	25.543	ug/L	100
52) Ethylbenzene	11.59	91	611294	25.811	ug/L	99
53) m,p-Xylene	11.70	106	232651	25.903	ug/L	96
54) o-Xylene	12.03	106	227765	26.044	ug/L	98
55) Styrene	12.04	104	395016	26.120	ug/L	100
57) 1,1,2,2-Tetrachloroethane	12.58	83	126042	25.484	ug/L	99
59) Bromoform	12.20	173	97646	25.456	ug/L	99
60) Isopropylbenzene	12.32	105	613452	26.108	ug/L	100
61) 1,2,3-Trichloropropane	12.63	75	108256	24.802	ug/L	100
62) 1,3,5-Trimethylbenzene	12.81	105	520926	26.692	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	521922	26.398	ug/L	100
64) 1,3-Dichlorobenzene	13.36	146	292155	25.668	ug/L	100
65) 1,4-Dichlorobenzene	13.44	146	295326	25.623	ug/L	98
67) 1,2-Dichlorobenzene	13.73	146	280119	26.281	ug/L	99
68) 1,2-Dibromo-3-chloropropan	14.35	75	27989	25.797	ug/L	94
69) 1,3,5-Trichlorobenzene	14.50	180	224337	25.282	ug/L	98
70) 1,2,4-trichlorobenzene	15.00	180	192403	25.574	ug/L	100
71) Naphthalene	15.23	128	413196	26.308	ug/L	99
72) 1,2,3-Trichlorobenzene	15.42	180	174460	26.252	ug/L	97

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

